Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1600RXA

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	APR 02	CAS Registry Number Crossover Limits Increased to 500,000 in Key STN Databases
NEWS 3	APR 02	PATDPAFULL: Application and priority number formats enhanced
NEWS 4	APR 02	DWPI: New display format ALLSTR available
NEWS 5	APR 02	New Thesaurus Added to Derwent Databases for Smooth Sailing through U.S. Patent Codes
NEWS 6	APR 02	EMBASE Adds Unique Records from MEDLINE, Expanding Coverage back to 1948
NEWS 7	APR 07	CA/CAplus CLASS Display Streamlined with Removal of Pre-IPC 8 Data Fields
NEWS 8	APR 07	50,000 World Traditional Medicine (WTM) Patents Now Available in CAplus
NEWS 9	APR 07	MEDLINE Coverage Is Extended Back to 1947
NEWS 10	JUN 16	WPI First View (File WPIFV) will no longer be available after July 30, 2010
NEWS 11	JUN 18	DWPI: New coverage - French Granted Patents
NEWS 12	JUN 18	CAS and FIZ Karlsruhe announce plans for a new STN platform
NEWS 13	JUN 18	IPC codes have been added to the INSPEC backfile (1969-2009)
NEWS 14	JUN 21	Removal of Pre-IPC 8 data fields streamline displays in CA/CAplus, CASREACT,and MARPAT
NEWS 15	JUN 21	Access an additional 1.8 million records exclusively enhanced with 1.9 million CAS Registry Numbers -- EMBASE Classic on STN
NEWS 16	JUN 28	Introducing "CAS Chemistry Research Report": 40 Years of Biofuel Research Reveal China Now Atop U.S. in Patenting and Commercialization of Bioethanol
NEWS 17	JUN 29	Enhanced Batch Search Options in DGENE, USGENE, and PCTGEN
NEWS 18	JUL 19	Enhancement of citation information in INPADOC databases provides new, more efficient competitor analyses
NEWS 19	JUL 26	CAS coverage of global patent authorities has expanded to 61 with the addition of Costa Rica

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
AND CURRENT DISCOVER FILE IS DATED 07 JULY 2010.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 09:14:31 ON 07 SEP 2010

=> fil reg
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 0.22 0.22

FILE 'REGISTRY' ENTERED AT 09:15:15 ON 07 SEP 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 6 SEP 2010 HIGHEST RN 1240023-07-7
DICTIONARY FILE UPDATES: 6 SEP 2010 HIGHEST RN 1240023-07-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

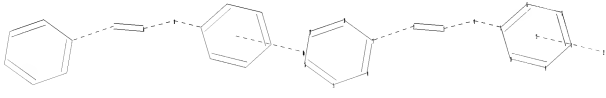
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>
Uploading C:\Program Files\Stnexp\Queries\QUERIES\10551414.str



chain nodes :
2 3 4 12
ring nodes :

5 6 7 8 9 10 11 14 15 16 17 18
chain bonds :
2-3 2-11 3-4 4-5
ring bonds :
5-6 5-10 6-7 7-8 8-9 9-10 11-14 11-18 14-15 15-16 16-17 17-18
exact/norm bonds :
2-3 2-11 3-4 4-5
normalized bonds :
5-6 5-10 6-7 7-8 8-9 9-10 11-14 11-18 14-15 15-16 16-17 17-18

G1:C,O,N,X,Cy

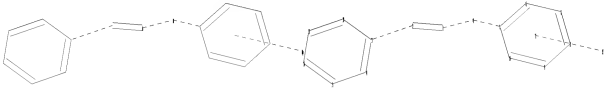
Match level :
2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS

L1 STRUCTURE UPLOADED

=> que L1

L2 QUE L1

=>
Uploading C:\Program Files\Stnexp\Queries\QUERIES\10551414.str



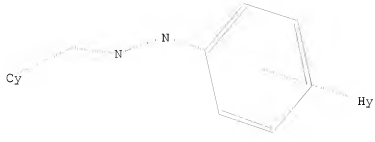
chain nodes :
2 3 4 12
ring nodes :
5 6 7 8 9 10 11 14 15 16 17 18
chain bonds :
2-3 2-11 3-4 4-5
ring bonds :
5-6 5-10 6-7 7-8 8-9 9-10 11-14 11-18 14-15 15-16 16-17 17-18
exact/norm bonds :
2-3 2-11 3-4 4-5
normalized bonds :
5-6 5-10 6-7 7-8 8-9 9-10 11-14 11-18 14-15 15-16 16-17 17-18

G1:C,O,N,X,Cy

Match level :
2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS

L3 STRUCTURE UPLOADED

=> d
L3 HAS NO ANSWERS
L3 STR



G1 C,O,N,X,Cy

Structure attributes must be viewed using STN Express query preparation.

=> s l3
SAMPLE SEARCH INITIATED 09:16:09 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 38684 TO ITERATE

5.2% PROCESSED 2000 ITERATIONS 14 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 761918 TO 785442
PROJECTED ANSWERS: 4428 TO 6402

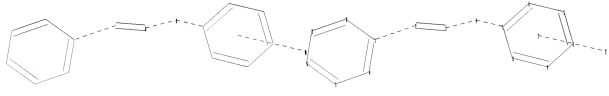
L4 14 SEA SSS SAM L3

=> s l3 full
FULL SEARCH INITIATED 09:16:13 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 776766 TO ITERATE

100.0% PROCESSED 776766 ITERATIONS 6835 ANSWERS
SEARCH TIME: 00.00.04

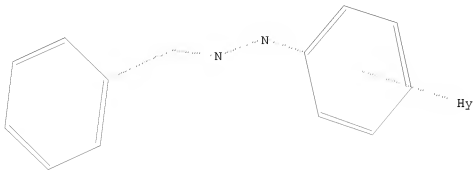
L5 6835 SEA SSS FUL L3

=>
Uploading C:\Program Files\Stnexp\Queries\QUERIES\10551414.str



chain nodes :
2 3 4 12
ring nodes :
5 6 7 8 9 10 11 14 15 16 17 18
chain bonds :

```
2-3  2-11  3-4  4-5
ring bonds :
5-6  5-10  6-7  7-8  8-9  9-10  11-14  11-18  14-15  15-16  16-17  17-18
exact/norm bonds :
2-3  2-11  3-4  4-5
normalized bonds :
5-6  5-10  6-7  7-8  8-9  9-10  11-14  11-18  14-15  15-16  16-17  17-18


G1:C,O,N,X,Cy

Match level :
2:CLASS  3:CLASS  4:CLASS  5:CLASS  6:CLASS  7:CLASS  8:CLASS  9:CLASS  10:CLASS
11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS  16:CLASS  17:CLASS  18:CLASS



L6      STRUCTURE UPLOADED

=> d
L6 HAS NO ANSWERS
L6              STR
```

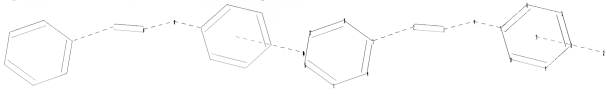



```
G1 C,O,N,X,Cy


Structure attributes must be viewed using STN Express query preparation.


=> s l6
SAMPLE SEARCH INITIATED 09:17:07 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     6642 TO ITERATE

 30.1% PROCESSED     2000 ITERATIONS                                16 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       127953 TO   137727
PROJECTED ANSWERS:             625 TO     1499

L7           16 SEA SSS SAM L6

=> s l6 full
FULL SEARCH INITIATED 09:17:10 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   134472 TO ITERATE
```

100.0% PROCESSED 134472 ITERATIONS   1218 ANSWERS
SEARCH TIME: 00.00.03

L8   1218 SEA SSS FUL L6

=>
Uploading C:\Program Files\Stnexp\Queries\QUERIES\10551414.str



chain nodes :
2 3 4 12
ring nodes :
5 6 7 8 9 10 11 14 15 16 17 18
chain bonds :
2-3 2-11 3-4 4-5
ring bonds :
5-6 5-10 6-7 7-8 8-9 9-10 11-14 11-18 14-15 15-16 16-17 17-18
exact/norm bonds :
2-3 2-11 3-4 4-5
normalized bonds :
5-6 5-10 6-7 7-8 8-9 9-10 11-14 11-18 14-15 15-16 16-17 17-18

G1:C,O,N,X,Cy

Match level :
2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS

L9   STRUCTURE UPLOADED

=> s l9
SAMPLE SEARCH INITIATED 09:17:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   6642 TO ITERATE

 30.1% PROCESSED   2000 ITERATIONS   7 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 127953 TO   137727
PROJECTED ANSWERS: 175 TO   753

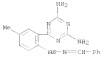
L10   7 SEA SSS SAM L9

=> s l9 subset=l8 full
FULL SUBSET SEARCH INITIATED 09:17:56 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED -   1218 TO ITERATE

100.0% PROCESSED   1218 ITERATIONS   583 ANSWERS

```
SEARCH TIME: 00.00.01

L11          583 SEA SUB=L8 SSS FUL L9

=> s l11 and caplus/lc
      72306455 CAPLUS/LC
L12          548 L11 AND CAPLUS/LC

=> s l11 not l12
L13           35 L11 NOT L12

=> d l13 35
```

L13 ANSWER 35 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 20161-82-7 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzaldehyde, 2-[2-(4,6-diamino-1,3,5-triazin-2-yl)-4-methylphenyl]hydrazone (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzaldehyde, [2-(4,6-diamino-1,3,5-triazin-2-yl)-4-methylphenyl]hydrazone (9CI)
MF C17 H17 N7
LC STN Files: BEILSTEIN*
(*File contains numerically searchable property data)

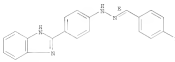


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

```
=> d 113 1-34
```

L13 ANSWER 1 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 1135239-83-6 REGISTRY
ED Entered STN: 16 Apr 2009
CN Benzaldehyde, 4-[dimethylamino]-, 2-[4-(1H-benzimidazol-2-yl)phenyl]hydrazone, [C(E)]- (CA INDEX NAME)
FS STEREOSEARCH
MF C22 H21 N5
SR Other Sources
Database: Developmental Therapeutics Program (National Cancer Institute)

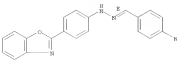
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 2 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 1135239-49-8 REGISTRY
ED Entered STN: 16 Apr 2009
CN Benzaldehyde, 4-[dimethylamino]-, 2-[4-(2-benzoxazolyl)phenyl]hydrazone, [C(E)]- (CA INDEX NAME)
FS STEREOSEARCH
MF C22 H20 N4 O
SR Other Sources
Database: Developmental Therapeutics Program (National Cancer Institute)

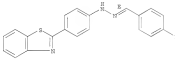
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

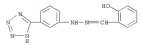
L13 ANSWER 3 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 1135239-60-9 REGISTRY
ED Entered STN: 16 Apr 2009
CN Benzaldehyde, 4-[dimethylamino]-, 2-[4-[2-benzothiazolyl]phenyl]hydrazone, [C(E)]- (CA INDEX NAME)
FS STEREOSEARCH
MF C22 H20 N4 S
SR Other Sources
Database: Developmental Therapeutics Program (National Cancer Institute)

Double bond geometry as shown.



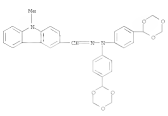
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 4 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 936075-75-1 REGISTRY
ED Entered STN: 30 May 2007
CN Benzaldehyde, 2-hydroxy-, 2-(3-(2H-tetrazol-5-yl)phenyl)hydrazone (CA INDEX NAME)
MF C14 H12 N6 O
SR Chemical Library
Supplier: Chemical Block Ltd.
LC STN Files: CHEMCATS



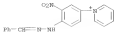
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 5 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 845982-68-2 REGISTRY
ED Entered STN: 18 Mar 2005
CN 9H-Carbazole-3-carboxaldehyde, 9-methyl-,
2,2-bis[4-(1,3,5-trioxan-2-yl)phenyl]hydrazone (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 9H-Carbazole-3-carboxaldehyde, 9-methyl-,
bis[4-(1,3,5-trioxan-2-yl)phenyl]hydrazone (9CI)
MF C32 H29 N3 O6
CI COM
SR CA

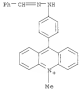


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

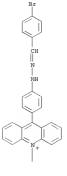
L13 ANSWER 6 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 791526-83-9 REGISTRY
ED Entered STN: 01 Dec 2004
CN Pyridinium, 1-[3-nitro-4-[2-(phenylmethylene)hydrazinyl]phenyl]- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pyridinium, 1-[3-nitro-4-[(phenylmethylene)hydrazino]phenyl]- (9CI)
MF C18 H15 N4 O2
CI COM
SR CA



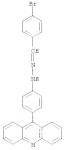
L13 ANSWER 7 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 788764-77-2 REGISTRY
ED Entered STN: 25 Nov 2004
CN Acridinium, 10-methyl-9-[4-[2-(phenylmethylene)hydrazinyl]phenyl]- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acridinium, 10-methyl-9-[4-[(phenylmethylene)hydrazino]phenyl]- (9CI)
MF C27 H22 N3
CI COM
SR CA



L13 ANSWER 8 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 762182-94-5 REGISTRY
ED Entered STN: 13 Oct 2004
CN Acridinium,
9-[4-[2-[(4-bromophenyl)methylene]hydrazinyl]phenyl]-10-methyl- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acridinium, 9-[4-[[(4-bromophenyl)methylene]hydrazino]phenyl]-10-methyl- (9CI)
MF C27 H21 Br N3
CI COM
SR CA

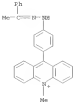


L13 ANSWER 9 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 752145-00-9 REGISTRY
ED Entered STN: 26 Sep 2004
CN Benzaldehyde, 4-bromo-, 2-[4-[9-acridinyl]phenyl]hydrazone (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzaldehyde, 4-bromo-, [4-[9-acridinyl]phenyl]hydrazone (9CI)
MF C26 H18 Br N3
CI COM
SR CA



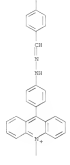
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 10 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 736982-54-5 REGISTRY
ED Entered STN: 30 Aug 2004
CN Acridinium, 10-methyl-9-[4-[2-(1-phenylethylidene)hydrazinyl]phenyl]- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acridinium, 10-methyl-9-[4-[(1-phenylethylidene)hydrazino]phenyl]- (9CI)
MF C29 H24 N3
CI COM
SR CA



L13 ANSWER 11 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 710270-24-1 REGISTRY
ED Entered STN: 14 Jul 2004
CN Acridinium, 9-[4-[2-[(4-chlorophenyl)methylene]hydrazinyl]phenyl]-10-methyl- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acridinium, 9-[4-[[(4-chlorophenyl)methylene]hydrazino]phenyl]-10-methyl- (9CI)
MF C27 H21 Cl N3
CI COM
SR CA

PAGE 1-A



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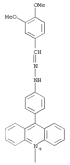
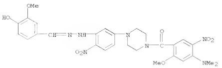
L13 ANSWER 12 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 704862-81-7 REGISTRY
ED Entered STN: 05 Jul 2004
CN Acridinium, 9-[4-[2-[(3,4-dimethoxyphenyl)methylene]hydrazinyl]phenyl]-10-methyl- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acridinium, 9-[4-[[3,4-dimethoxyphenyl)methylene]hydrazino]phenyl]-10-methyl- (9CI)
MF C29 H26 N3 O2
CI COM
SR CA

PAGE 1-A



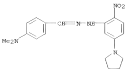
PAGE 2-A

L13 ANSWER 13 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 664345-62-4 REGISTRY
ED Entered STN: 18 Mar 2004
CN Benzaldehyde, 4-hydroxy-3-methoxy-, 2-[5-[4-[4-(dimethylamino)-2-methoxy-5-nitrobenzoyl]-1-piperazinyl]-2-nitrophenyl]hydrazone (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Piperazine, 1-[4-(dimethylamino)-2-methoxy-5-nitrobenzoyl]-4-[3-[[(4-hydroxy-3-methoxyphenyl)methylene]hydrazino]-4-nitrophenyl]- (9CI)
MF C28 H31 N7 O8
SR Chemical Library
Supplier: SPECS
LC STN Files: CHEMCATS



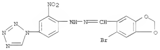
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 14 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 597545-41-0 REGISTRY
ED Entered STN: 03 Oct 2003
CN Benzaldehyde, 4-(dimethylamino)-, 2-[2-nitro-5-(1-pyrrolidinyl)phenyl]hydrazone (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzaldehyde, 4-(dimethylamino)-, [2-nitro-5-(1-pyrrolidinyl)phenyl]hydrazone (9CI)
MF C19 H23 N5 O2
SR Chemical Library
Supplier: AKos Consulting and Solutions GmbH
LC STN Files: CHEMCATS



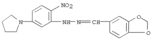
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 15 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 392704-61-9 REGISTRY
ED Entered STN: 15 Feb 2002
CN 1,3-Benzodioxole-5-carboxaldehyde, 6-bromo-, 2-[2-nitro-4-(1H-tetrazol-1-yl)phenyl]hydrazone (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,3-Benzodioxole-5-carboxaldehyde, 6-bromo-, [2-nitro-4-(1H-tetrazol-1-yl)phenyl]hydrazone (9CI)
MF C15 H10 Br N7 O4
SR Chemical Library
Supplier: LaboTest
LC STN Files: CHEMCATS



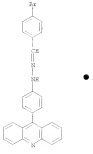
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 16 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 346459-28-7 REGISTRY
ED Entered STN: 17 Jul 2001
CN 1,3-Benzodioxole-5-carboxaldehyde, 2-[2-nitro-5-(1-pyrrolidinyl)phenyl]hydrazone (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,3-Benzodioxole-5-carboxaldehyde, [2-nitro-5-(1-pyrrolidinyl)phenyl]hydrazone (9CI)
MF C18 H18 N4 O4
SR Chemical Library
Supplier: ChemStar, Ltd.
LC STN Files: CHEMCATS

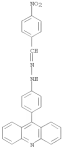


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 17 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 339540-78-4 REGISTRY
ED Entered STN: 06 Jun 2001
CN Benzaldehyde, 4-bromo-, 2-[4-(9-acridinyl)phenyl]hydrazone, hydrobromide (1:1) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzaldehyde, 4-bromo-, [4-(9-acridinyl)phenyl]hydrazone, monohydrobromide (9CI)
MF C26 H18 Br N3 . Br H
SR Reaction Database
LC STN Files: CASREACT
CRN (75145-80-9)



L13 ANSWER 18 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 337958-43-7 REGISTRY
ED Entered STN: 24 May 2001
CN Benzaldehyde, 4-nitro-, 2-[4-(9-acridinyl)phenyl]hydrazone (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzaldehyde, 4-nitro-, [4-(9-acridinyl)phenyl]hydrazone (9CI)
MF C26 H18 N4 O2
SR Reaction Database
LC STN Files: CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 19 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 330637-83-7 REGISTRY
ED Entered STN: 10 Apr 2001
CN Benzaldehyde, 4-(dimethylamino)-, 2-[5-[4-(2-hydroxyethyl)-1-piperazinyl]-2-nitrophenyl]hydrazone (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzaldehyde, 4-(dimethylamino)-, [5-[4-(2-hydroxyethyl)-1-piperazinyl]-2-nitrophenyl]hydrazone (9CI)
MF C21 H28 N6 O3
SR Chemical Library
Supplier: ChemDiv, Inc.
LC STN Files: CHEMCATS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 20 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 303195-70-2 REGISTRY
ED Entered STN: 20 Nov 2000
CN Ethanone, 1-(4-bromophenyl)-, 2-(3,5-di-4-morpholinylphenyl)hydrazone (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ethanone, 1-(4-bromophenyl)-, (3,5-di-4-morpholinylphenyl)hydrazone (9CI)
MF C22 H27 Br N4 O2
SR Chemical Library
Supplier: ArtMolx

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

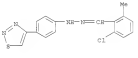
L13 ANSWER 21 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 253965-36-6 REGISTRY
ED Entered STN: 31 Jan 2000
CN Benzaldehyde, 4-chloro-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzaldehyde, 4-chloro-, [4-(5-oxazolyl)phenyl]hydrazone (9CI)
MF C16 H12 Cl N3 O
SR CAS Client Services
LC STN Files: CHEMCATS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 22 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 253664-44-7 REGISTRY
ED Entered STN: 27 Jan 2000
CN Benzaldehyde, 3,5-bis(trifluoromethyl)-, 2-[4-(1,2,3-thiadiazol-4-yl)phenyl]hydrazone (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzaldehyde, 3,5-bis(trifluoromethyl)-, [4-(1,2,3-thiadiazol-4-yl)phenyl]hydrazone (9CI)
MF C17 H10 F6 N4 S
SR CAS Client Services
LC STN Files: CHEMCATS

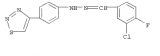
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 23 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 253586-78-4 REGISTRY
ED Entered STN: 26 Jan 2000
CN Benzaldehyde, 2-chloro-6-methyl-, 2-[4-(1,2,3-thiadiazol-4-yl)phenyl]hydrazone (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzaldehyde, 2-chloro-6-methyl-, [4-(1,2,3-thiadiazol-4-yl)phenyl]hydrazone (9CI)
MF C16 H13 Cl N4 S
SR CAS Client Services
LC STN Files: CHEMCATS



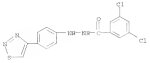
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 24 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 253586-77-5 REGISTRY
ED Entered STN: 26 Jan 2000
CN Benzaldehyde, 3-chloro-4-fluoro-, 2-[4-(1,2,3-thiadiazol-4-yl)phenyl]hydrazone (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzaldehyde, 3-chloro-4-fluoro-, [4-(1,2,3-thiadiazol-4-yl)phenyl]hydrazone (9CI)
MF C15 H10 Cl F N4 S
SR CAS Client Services



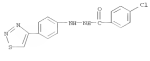
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 25 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 253586-73-1 REGISTRY
ED Entered STN: 26 Jan 2000
CN Benzoic acid, 2,3-dichloro-, 2-[4-(1,2,3-thiadiazol-4-yl)phenyl]hydrazide (CA INDEX NAME)
MF C15 H10 Cl2 N4 O S
SR CAS Client Services
LC STN Files: CHEMCATS



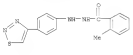
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 26 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 253586-72-0 REGISTRY
ED Entered STN: 26 Jan 2000
CN Benzoic acid, 4-chloro-, 2-[4-(1,2,3-thiadiazol-4-yl)phenyl]hydrazide (CA INDEX NAME)
MF C15 H11 Cl N4 O S
SR CAS Client Services
LC STN Files: CHEMCATS



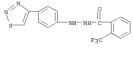
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 27 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 253586-71-9 REGISTRY
ED Entered STN: 26 Jan 2000
CN Benzoic acid, 2-methyl-, 2-[4-(1,2,3-thiadiazol-4-yl)phenyl]hydrazide (CA INDEX NAME)
MF C16 H14 N4 O S
SR CAS Client Services
LC STN Files: CHEMCATS



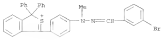
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 28 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 253586-70-8 REGISTRY
ED Entered STN: 26 Jan 2000
CN Benzoic acid, 2-(trifluoromethyl)-, 2-[4-(1,2,3-thiadiazol-4-yl)phenyl]hydrazide (CA INDEX NAME)
MF C16 H11 F3 N4 O S
SR CAS Client Services
LC STN Files: CHEMCATS

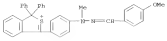


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

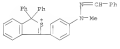
L13 ANSWER 29 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 173993-65-2 REGISTRY
ED Entered STN: 08 Mar 1996
CN 1H-Benzo[c]thiolium, 3-[4-[[(3-bromophenyl)methylene]methylhydrazino]phenyl]-1,1-diphenyl- (9CI) (CA INDEX NAME)
MF C34 H26 Br N2 S
CI COM
SR CA



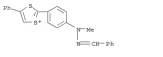
L13 ANSWER 30 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 173993-63-0 REGISTRY
ED Entered STN: 08 Mar 1996
CN 1H-Benzo[c]thiolium, 3-[4-[[(4-methoxyphenyl)methylene]methylhydrazino]phenyl]-1,1-diphenyl- (9CI) (CA INDEX NAME)
MF C35 H29 N2 O S
CI COM
SR CA



L13 ANSWER 31 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 173993-61-8 REGISTRY
ED Entered STN: 08 Mar 1996
CN 1H-Benzo[c]thiolium, 3-[4-(methyl(phenylmethylene)hydrazino)phenyl]-1,1-diphenyl- (9CI) (CA INDEX NAME)
MF C34 H27 N2 S
CI COM
SR CA



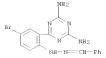
L13 ANSWER 32 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 79913-16-9 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1,3-Dithiol-1-ium, 2-[4-[1-methyl-2-(phenylmethylene)hydrazinyl]phenyl]-4-phenyl- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,3-Dithiol-1-ium, 2-[4-[methyl(phenylmethylene)hydrazino]phenyl]-4-phenyl- (9CI)
MF C23 H19 N2 S2
CI COM



L13 ANSWER 33 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 14132-13-7 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzaldehyde, 2-[4-[9-acridinyl]phenyl]hydrazone, hydriodide (1:1) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzaldehyde, [4-(9-acridinyl)phenyl]hydrazone, monohydriodide (9CI)
MF C26 H19 N3 . H I
CRN (55754-26-2)

● HI

L13 ANSWER 34 OF 35 REGISTRY COPYRIGHT 2010 ACS on STN
RN 38181-83-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzaldehyde, 2-[4-bromo-2-(4,6-diamino-1,3,5-triazin-2-yl)phenyl]hydrazone (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzaldehyde, [4-bromo-2-(4,6-diamino-1,7,5-triazin-2-yl)phenyl]hydrazone (9CI)
MF C16 H14 Br N7
LC STN Files: BEILSTEIN*
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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FULL ESTIMATED COST                                       512.97     513.19

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REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Jun 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE:  Jun 2010

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2010.

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L6               STRUCTURE UPLOADED
L7            16 S L6
L8          1218 S L6 FULL
L9               STRUCTURE UPLOADED
L10            7 S L9
L11          583 S L9 FULL SUB=L8
L12          548 S L11 AND CAPLUS/LC
L13           35 S L11 NOT L12

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L14          54 L12

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L14 ANSWER 1 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2010:1569524 CAPLUS
DOCUMENT NUMBER: 153:276353
TITLE: Preparation of acrolyl aryl hydrazides as pesticides.
INVENTOR(S): Ihara, Hideki; Kunamoto, Koji
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
SOURCE: PCT Int. Appl., 219pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 6
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010092044	A1	20100812	WO 2010-JP51019	20100205
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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
WO 2010092044	A1	20100812	WO 2010-JP51019	20100205
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PRIORITY APPLN. INFO.:			JP 2009-25839	A 20090206
			WO 2010-JP51019	20100205

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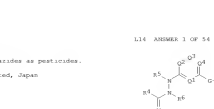
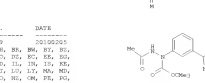


L14 ANSWER 1 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



AB Title compds. [I; G = specified acrolyl; M = O, S; n = 0-5; Q1-Q4 = N, CR3; R2 = (halo)alkyl, (halo)alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, NO2, cyano, halo; R3 = R, (halo)alkyl, (halo)alkoxy, NO2, cyano, halo; R4 = R, (substituted) (cyclic) hydrocarbyl, hydrocarbyloxy, heterocyclyl, amino; R5, R6 = R, CHO, alkylcarbonyl, alkoxycarbonyl, cycloalkyl, (substituted) hydrocarbyl, PhCO; with provisos], were prepared Thus,

title compound [II] [melt.temp preparation from 3-nitrobenzaldoxime, 2-(3,5-dichlorophenyl)-3,3,3-trifluoro-1-propene, di-tert-Bu dicarbonate, and AcCl given] at 500 ppm gave 100% kill of Musca domestica. [This abstract record is one of 6 records for this document necessitated by the large number of index entries required to full index the document and publication system constraints.]

IT 1238622-30-4P 1238630-43-7P 1238632-78-4P
1238633-03-4P 1238647-29-4P 1238698-58-4P
1238684-22-4P 1238685-50-1P 1238696-40-8P
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1239052-38-0P 1239067-90-3P 1239073-22-3P
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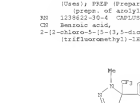
1239215-28-1P 1239223-40-5P 1239227-37-2P
1239229-59-4P 1239230-52-4P 1239231-97-0P
1239237-36-5P 1239240-51-7P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); FFPS (Prophetic); SPN (Synthetic preparation); BIOL (Biological study); USES

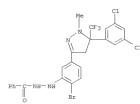
L14 ANSWER 1 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
(Uses); PREP (Preparation)
[prepn. of acrolyl aryl hydrazides as pesticides]

RN 1238622-30-4 CAPLUS
CN Benzoic acid, 2-[2-chloro-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-3-(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]hydrazide (CA INDEX NAME)

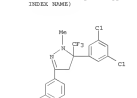


RN 1238630-43-7 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-fluorophenyl]hydrazide (CA INDEX NAME)

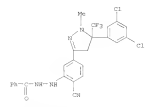
RN 1238632-78-4 CAPLUS
CN Benzoic acid, 2-[2-bromo-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]hydrazide (CA INDEX NAME)



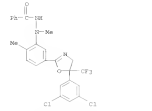
RN 1238633-03-4 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-fluorophenyl]-2-methylhydrazide (CA INDEX NAME)



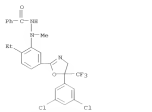
RN 1238647-29-4 CAPLUS
CN Benzoic acid, 2-[2-cyano-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]hydrazide (CA INDEX NAME)



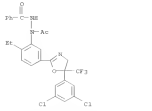
RN 1238680-58-4 CAPLUS
CN Benzoic acid, 2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-2-oxazolyl]-2-methylphenyl]-2-methylhydrazide (CA INDEX NAME)



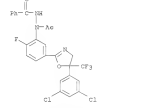
RN 1238684-22-4 CAPLUS
CN Benzoic acid, 2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-2-oxazolyl]-2-ethylphenyl]-2-methylhydrazide (CA INDEX NAME)



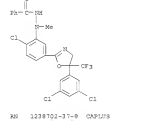
RN 1238685-59-1 CAPLUS
CN Benzoic acid, 2-ethyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-oxazolyl]-2-ethylphenyl]hydrazide (CA INDEX NAME)



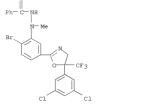
RN 1238690-40-8 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-oxazolyl]-2-fluorophenyl]hydrazide (CA INDEX NAME)



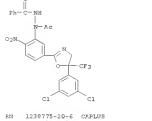
RN 1238695-31-2 CAPLUS
CN Benzoic acid, 2-[2-chloro-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-oxazolyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



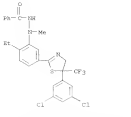
RN 1238702-37-8 CAPLUS
CN Benzoic acid, 2-[2-bromo-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-oxazolyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



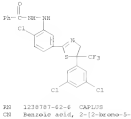
RN 1238713-27-3 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-oxazolyl]-2-nitrophenyl]hydrazide (CA INDEX NAME)



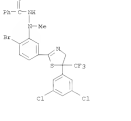
RN 1238775-20-6 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-thiazolyl]-2-ethylphenyl]-2-methylhydrazide (CA INDEX NAME)

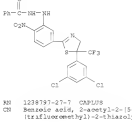


RN 1238782-28-9 CAPLUS
CN Benzoic acid, 2-[2-chloro-5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-2-thiazolyl]phenyl]hydrazide (CA INDEX NAME)

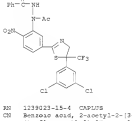


RN 1238787-42-6 CAPLUS
CN Benzoic acid, 2-[2-bromo-5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-2-thiazolyl]phenyl]-2-methylhydrazide (CA INDEX NAME)

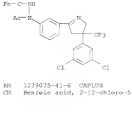




RN 1238797-27-7 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-2-thiazolyl]-2-nitrophenyl]hydrazide (CA INDEX NAME)

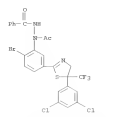


RN 1239023-15-4 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-[2-[3,5-dichlorophenyl]-2,4-dihydro-3-(trifluoromethyl)-2H-pyrrol-5-yl]phenyl]hydrazide (CA INDEX NAME)

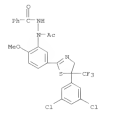


RN 1239035-41-6 CAPLUS
CN Benzoic acid, 2-[2-chloro-5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-

RN 1238788-92-5 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-bromo-5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-2-thiazolyl]phenyl]hydrazide (CA INDEX NAME)

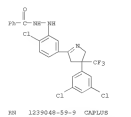


RN 1238793-51-5 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-2-thiazolyl]-2-methoxyphenyl]hydrazide (CA INDEX NAME)

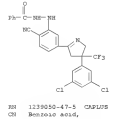


RN 1238794-76-7 CAPLUS
CN Benzoic acid, 2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-2-thiazolyl]-2-nitrophenyl]hydrazide (CA INDEX NAME)

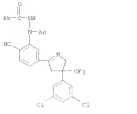
(trifluoromethyl)-2H-pyrrol-5-yl]phenyl]hydrazide (CA INDEX NAME)



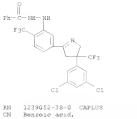
RN 1239048-59-9 CAPLUS
CN Benzoic acid, 2-[2-cyano-5-[3-(3,5-dichlorophenyl)-2,4-dihydro-3-(trifluoromethyl)-2H-pyrrol-5-yl]phenyl]hydrazide (CA INDEX NAME)



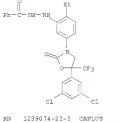
RN 1239050-47-5 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-cyano-5-[3-(3,5-dichlorophenyl)-2,4-dihydro-3-(trifluoromethyl)-2H-pyrrol-5-yl]phenyl]hydrazide (CA INDEX NAME)



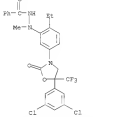
RN 1239851-42-3 CAPLUS
CN Benzoic acid, 2-[5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-2H-pyrrol-5-yl]-2-(trifluoromethyl)phenyl]hydrazide (CA INDEX NAME)



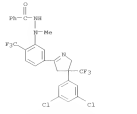
RN 1239852-38-0 CAPLUS
CN Benzoic acid, 2-[5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-2H-pyrrol-5-yl]-2-(trifluoromethyl)phenyl]-2-methylhydrazide (CA INDEX NAME)



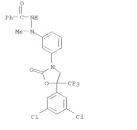
RN 1239074-21-5 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]-2-ethylphenyl]-2-methylhydrazide (CA INDEX NAME)



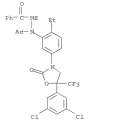
RN 1239075-21-8 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]-2-ethylphenyl]hydrazide (CA INDEX NAME)



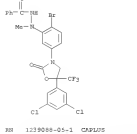
RN 1239067-90-3 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



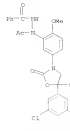
RN 1239073-22-3 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]-2-ethylphenyl]hydrazide (CA INDEX NAME)



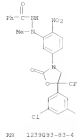
RN 1239083-79-4 CAPLUS
CN Benzoic acid, 2-[2-bromo-5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



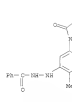
RN 1239088-05-1 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]-2-methoxyphenyl]hydrazide (CA INDEX NAME)



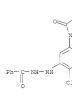
RN 1239092-88-6 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]-2-nitrophenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1239093-93-4 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]-2-nitrophenyl]hydrazide (CA INDEX NAME)



RN 1239122-45-2 CAPLUS
CN Benzoic acid, 2-[2-chloro-5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]phenyl]hydrazide (CA INDEX NAME)



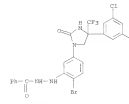
RN 1239123-41-1 CAPLUS
CN Benzoic acid, 2-[2-chloro-5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]phenyl]-2-methylhydrazide (CA INDEX NAME)

RN 1239095-73-8 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]-2-(trifluoromethyl)phenyl]-2-methylhydrazide (CA INDEX NAME)

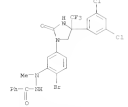
RN 1239112-28-7 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-methylphenyl]hydrazide (CA INDEX NAME)

RN 1239124-34-5 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-chloro-5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]phenyl]hydrazide (CA INDEX NAME)

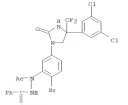
RN 1239125-27-9 CAPLUS
CN Benzoic acid, 2-[2-bromo-5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]phenyl]hydrazide (CA INDEX NAME)



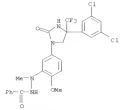
RN 1239126-24-9 CAPLUS
CN Benzoic acid, 2-[2-bromo-5-[4-(3,5-dichlorophenyl)-2-oxo-4-[trifluoromethyl)-1-imidazolidinyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



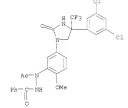
RN 1239127-21-9 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-bromo-5-[4-(3,5-dichlorophenyl)-2-oxo-4-[trifluoromethyl)-1-imidazolidinyl]phenyl]hydrazide (CA INDEX NAME)



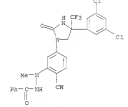
RN 1239133-16-4 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-[trifluoromethyl)-1-imidazolidinyl]-2-methoxyphenyl]-2-methylhydrazide (CA INDEX NAME)



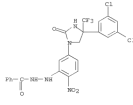
RN 1239134-12-3 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-[trifluoromethyl)-1-imidazolidinyl]-2-methoxyphenyl]hydrazide (CA INDEX NAME)



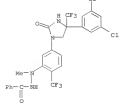
RN 1239136-04-9 CAPLUS
CN Benzoic acid, 2-[5-cyano-5-[4-(3,5-dichlorophenyl)-2-oxo-4-[trifluoromethyl)-1-imidazolidinyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



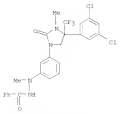
RN 1239138-27-2 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-[trifluoromethyl)-1-imidazolidinyl]-2-nitrophenyl]hydrazide (CA INDEX NAME)



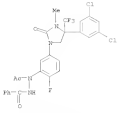
RN 1239142-41-6 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-[trifluoromethyl)-1-imidazolidinyl]-2-[trifluoromethyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1239159-09-1 CAPLUS
CN Benzoic acid, 2-[3-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-[trifluoromethyl)-1-imidazolidinyl]phenyl]-2-methylhydrazide (CA INDEX NAME)

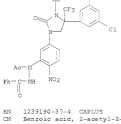


RN 1239170-72-9 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-1-fluorophenyl]hydrazide (CA INDEX NAME)

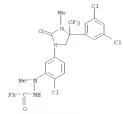


RN 1239172-72-5 CAPLUS
CN Benzoic acid, 2-[2-chloro-5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]phenyl]-2-methylhydrazide (CA INDEX NAME)

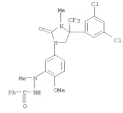
RN 1239190-37-4 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-(trifluoromethyl)phenyl]hydrazide (CA INDEX NAME)



RN 1239207-17-0 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-pyrrolidinyl]phenyl]hydrazide (CA INDEX NAME)

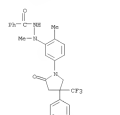


RN 1239179-88-4 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-methoxyphenyl]-2-methylhydrazide (CA INDEX NAME)

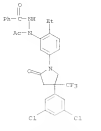


RN 1239187-36-0 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-nitrophenyl]hydrazide (CA INDEX NAME)

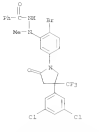
RN 1239210-94-6 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-pyrrolidinyl]-2-methylphenyl]-2-methylhydrazide (CA INDEX NAME)



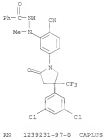
RN 1239215-28-1 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-pyrrolidinyl]-2-ethylphenyl]hydrazide (CA INDEX NAME)



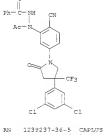
RN 1239223-40-5 CAPLUS
CN Benzoic acid, 2-[2-bromo-5-(4-[3,5-dichlorophenyl]-2-oxo-4-[trifluoromethyl]-1-pyrrolidinyl)phenyl]-2-methylhydrazide (CA INDEX NAME)



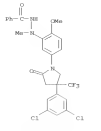
RN 1239227-37-2 CAPLUS
CN Benzoic acid, 2-[5-[4-[3,5-dichlorophenyl]-2-oxo-4-(trifluoromethyl)-1-pyrrolidinyl]-2-methoxyphenyl]-2-methylhydrazide (CA INDEX NAME)



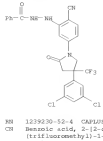
RN 1239231-97-0 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-cyano-5-[4-[3,5-dichlorophenyl]-2-oxo-4-[trifluoromethyl]-1-pyrrolidinyl]phenyl]hydrazide (CA INDEX NAME)



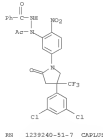
RN 1239237-36-5 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[4-[3,5-dichlorophenyl]-2-oxo-4-[trifluoromethyl]-1-pyrrolidinyl]-2-nitrophenyl]hydrazide (CA INDEX NAME)



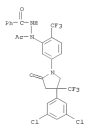
RN 1239229-59-4 CAPLUS
CN Benzoic acid, 2-[2-cyano-5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-pyrrolidinyl]phenyl]hydrazide (CA INDEX NAME)



RN 1239230-52-4 CAPLUS
CN Benzoic acid, 2-[5-cyano-5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-pyrrolidinyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1239240-51-7 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[4-[3,5-dichlorophenyl]-2-oxo-4-(trifluoromethyl)-1-pyrrolidinyl]-2-[trifluoromethyl]phenyl]hydrazide (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2010:1569523 CAPLUS
DOCUMENT NUMBER: 153:276352
TITLE: Preparation of arolyl aryl hydrazides as pesticides.
INVENTOR(S): Ihara, Hideki; Kunamoto, Koji
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
SOURCE: PCT Int. Appl., 219pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 6
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010092044	A1	20100812	WO 2010-JP51009	20100205
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
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PRIORITY APPLN. INFO.:		JP 2009-25839	A	20090206
		WO 2010-JP51009		20100205

GI

I

II

AB Title compds. [I; G = specified arolyl; M = G, Y; a = 0-5; Q1-Q4 = N, CR3;

R2 = (halo)alkyl, (halo)alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, NO2, cyano, halo; R3 = R, (halo)alkyl, (halo)alkoxy, NO2, cyano, halo; R4 = R, (substituted) (cyclic) hydrocarbyl, hydrocarbyloxy, heterocryiyi, amino; R5, R6 = R, CHO, alkylcarbonyl, alkoxycarbonyl, cycloalkyl, (substituted) hydrocarbyl, PhCO; with provisos], were prepared Thus, title

compound [II] [multistep preparation from 3-nitrobenzaldoxime, 2-(3,5-dichlorophenyl)-3,3,3-trifluoro-1-propene, di-tert-Bu dicarbonate, and AcCl given] at 500 ppm gave 100% kill of Nasca denticise. [This abstract record is one of 6 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 1238614-37-9P 1238637-57-4P 1238639-91-2P
1238652-82-8P 1238679-03-2P 1238684-76-6P
1238693-62-3P 1238697-59-0P 1238711-97-1P
1238715-64-6P 1238718-27-9P 1238765-29-1P
1238767-95-7P 1238771-71-5P 1238779-17-3P
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1239211-57-0P 1239217-22-1P 1239218-16-6P
1239222-38-8P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); PREP (Prophetic); SPN (Synthetic preparation); BIOL (Biological study); USES (Uses); PREP (Preparation)
(preparation of arolyl aryl hydrazides as pesticides)

RN 1238614-37-9 CAPLUS
CN Benzoic acid, 2-acetyl-2-[3-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-

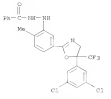
(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]hydrazide (CA INDEX NAME)

RN 1238637-57-4 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-fluorophenyl]hydrazide (CA INDEX NAME)

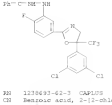
RN 1238639-91-2 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-bromo-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]hydrazide (CA INDEX NAME)

RN 1238652-82-8 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-(trifluoromethyl)phenyl]-2-methylhydrazide (CA INDEX NAME)

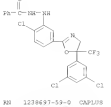
RN 1238679-03-2 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-oxazolyl]-2-methylphenyl]hydrazide (CA INDEX NAME)



RN 1238696-78-6 CAPLUS
CN Benzoic acid,
2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-
2-oxazolyl]-2-fluorophenyl]hydrazide (CA INDEX NAME)



RN 1238693-62-7 CAPLUS
CN Benzoic acid, 2-[2-chloro-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-
(trifluoromethyl)-2-oxazolyl]phenyl]hydrazide (CA INDEX NAME)



RN 1238693-59-2 CAPLUS
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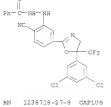
2-acetyl-2-[2-chloro-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-



RN 1238718-27-9 CAPLUS
CN Benzoic acid,
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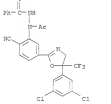
(trifluoromethyl)-2-oxazolyl]phenyl]hydrazide (CA INDEX NAME)



RN 1238765-29-1 CAPLUS
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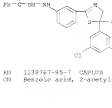
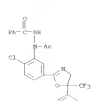
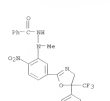


RN 1238767-95-7 CAPLUS
CN Benzoic acid, 2-acetyl-2-[3-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-

(trifluoromethyl)-2-oxazolyl]phenyl]hydrazide (CA INDEX NAME)

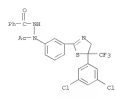


RN 1238711-37-1 CAPLUS
CN Benzoic acid,
2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-
2-oxazolyl]-2-nitrophenyl]-2-methylhydrazide (CA INDEX NAME)

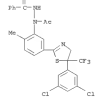


RN 1238715-46-6 CAPLUS
CN Benzoic acid, 2-[2-cyano-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-
(trifluoromethyl)-2-oxazolyl]phenyl]hydrazide (CA INDEX NAME)

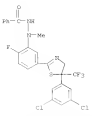
(trifluoromethyl)-2-thiazolyl]phenyl]hydrazide (CA INDEX NAME)



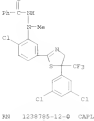
RN 1238771-71-5 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-
(trifluoromethyl)-2-thiazolyl]-2-methylphenyl]hydrazide (CA INDEX NAME)



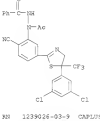
RN 1238779-17-3 CAPLUS
CN Benzoic acid,
2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-
2-thiazolyl]-2-fluorophenyl]-2-methylhydrazide (CA INDEX NAME)



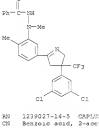
RN 1238783-19-3 CAPLUS
CN Benzoic acid, 2-[2-chloro-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-thiazolyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



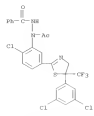
RN 1238785-12-0 CAPLUS
CN Benzoic acid,
2-acetyl-2-[2-chloro-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-thiazolyl]phenyl]hydrazide (CA INDEX NAME)



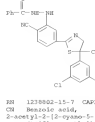
RN 1239026-93-9 CAPLUS
CN Benzoic acid,
2-[5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-2H-pyrrol-5-yl]-1-methylphenyl]-2-methylhydrazide (CA INDEX NAME)



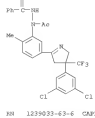
RN 1239027-14-5 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-2H-pyrrol-5-yl]-2-methylphenyl]hydrazide (CA INDEX NAME)



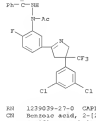
RN 1238799-40-0 CAPLUS
CN Benzoic acid, 2-[2-cyano-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-thiazolyl]phenyl]hydrazide (CA INDEX NAME)



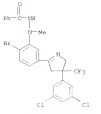
RN 1238802-15-7 CAPLUS
CN Benzoic acid,
2-acetyl-2-[2-cyano-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-thiazolyl]phenyl]hydrazide (CA INDEX NAME)



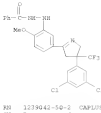
RN 1239033-63-6 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-2H-pyrrol-5-yl]-2-fluorophenyl]hydrazide (CA INDEX NAME)



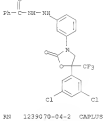
RN 1239039-27-0 CAPLUS
CN Benzoic acid, 2-[2-bromo-5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-2H-pyrrol-5-yl]phenyl]-2-methylhydrazide (CA INDEX NAME)



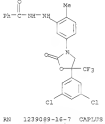
RN 1239041-55-4 CAPLUS
CN Benzoic acid,
2-[5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-
2H-pyrrol-5-yl]-1-methoxyphenyl]hydrazide (CA INDEX NAME)



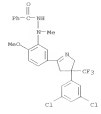
RN 1239042-50-2 CAPLUS
CN Benzoic acid,
2-[5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-
2H-pyrrol-5-yl]-2-methoxyphenyl]-2-methylhydrazide (CA INDEX NAME)



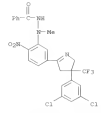
RN 1239070-04-2 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-
oxazolidinyl]-2-methylphenyl]hydrazide (CA INDEX NAME)



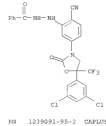
RN 1239089-16-7 CAPLUS
CN Benzoic acid, 2-[2-cyano-5-[5-(3,5-dichlorophenyl)-2-oxo-5-
(trifluoromethyl)-3-oxazolidinyl]phenyl]hydrazide (CA INDEX NAME)



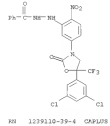
RN 1239045-69-2 CAPLUS
CN Benzoic acid,
2-[5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-
2H-pyrrol-5-yl]-2-nitrophenyl]-2-methylhydrazide (CA INDEX NAME)



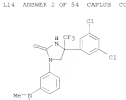
RN 1239045-80-3 CAPLUS
CN Benzoic acid, 2-[3-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-
oxazolidinyl]phenyl]hydrazide (CA INDEX NAME)



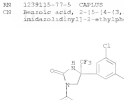
RN 1239091-95-2 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-
oxazolidinyl]-2-nitrophenyl]hydrazide (CA INDEX NAME)



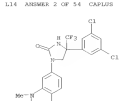
RN 1239110-39-6 CAPLUS
CN Benzoic acid, 2-[3-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-
imidazolidinyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



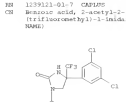
RN 1239125-17-5 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-ethylphenyl]hydrazide (CA INDEX NAME)



RN 1239129-91-4 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-fluorophenyl]-2-methylhydrazide (CA INDEX NAME)

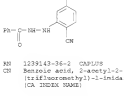


RN 1239121-01-7 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-fluorophenyl]hydrazide (CA INDEX NAME)



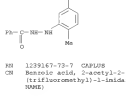
RN 1239135-06-8 CAPLUS
CN Benzoic acid, 2-[2-cyano-5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]phenyl]hydrazide (CA INDEX NAME)

RN 1239143-36-2 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-(trifluoromethyl)phenyl]hydrazide (CA INDEX NAME)

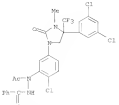


RN 1239161-10-4 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-methylphenyl]hydrazide (CA INDEX NAME)

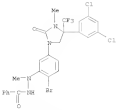
RN 1239167-73-7 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-ethylphenyl]hydrazide (CA INDEX NAME)



RN 1239173-91-1 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-chloro-5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]phenyl]hydrazide (CA INDEX NAME)



RN 1239176-38-5 CAPLUS
CN Benzoic acid, 2-[2-bromo-5-[4-(3,5-dichlorophenyl)-5-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



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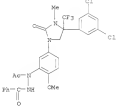
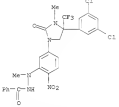
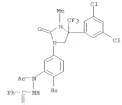
CN Benzoic acid, 2-acetyl-2-[2-bromo-5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]phenyl]hydrazide (CA INDEX NAME)



RN 1239186-43-6 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-nitrophenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1239188-35-2 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-(trifluoromethyl)phenyl]hydrazide (CA INDEX NAME)



RN 1239178-64-3 CAPLUS
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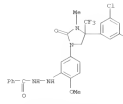
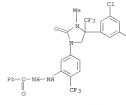


RN 1239180-90-5 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-methoxyphenyl]hydrazide (CA INDEX NAME)



RN 1239211-87-0 CAPLUS
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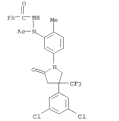

RN 1239217-22-1 CAPLUS
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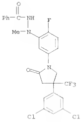

RN 1239218-16-6 CAPLUS
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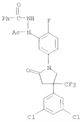
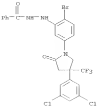


RN 1239222-38-8 CAPLUS
CN Benzoic acid, 2-[2-bromo-5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-pyrrolidinyl]phenyl]hydrazide (CA INDEX NAME)

L14 ANSWER 2 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 3 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2010:1069022 CAPLUS
DOCUMENT NUMBER: 153:276351
TITLE: Preparation of azolyl aryl hydrazides as pesticides.
INVENTOR(S): Ihara, Hideki; Kumamoto, Koji
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
SOURCE: PCT Int. Appl., 219pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 6
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010090344	A1	20100812	WO 2010-XC52109	20100205

W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010090344	A1	20100812	WO 2010-JP52109	20100205

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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: JP 2009-25839 A 20090206
WO 2010-JP52109 20100205

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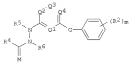

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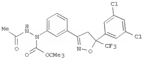

II

AB Title compds. [I; G = specified azolyl; M = O, S; m = 0-5; Q1-Q4 = N, CR3; R2 = (halo)alkyl, (halo)alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, NO2, cyano, halo; R3 = H, (halo)alkyl, (halo)alkoxy, No2, cyano, halo; R4 = H, (substituted) (cyclic) hydrocarbyl, hydrocarbyloxy, heterocyclyl, amino; R5, R6 = H, CHO, alkylcarbonyl, alkoxycarbonyl, cycloalkyl, (substituted) hydrocarbyl, PhCO; with provisos], were prepared Thus, title compound (II) [multistep preparation from 3-nitrobenzaldoxime, 2-(3,5-dichlorophenyl)-3,3,3-trifluoro-1-propene, di-tert-Bu dicarbonate, and AcCl given] at 500 ppm gave 100% kill of Musca domestica. [This abstract record is one of 6 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 1238618-68-2P 1238622-90-6P 1238623-37-4P
1238626-67-9P 1238629-53-2P 1238630-66-4P
1238634-06-4P 1238651-50-7P 1238674-96-8P
1238681-88-3P 1238682-44-4P 1238700-20-3P
1238708-27-4P 1238717-02-6P 1238722-20-7P
1238766-60-3P 1238786-37-2P 1238790-92-5P
1238796-03-6P 1238804-75-5P 1239021-21-6P
1239022-15-1P 1239029-77-6P 1239031-71-0P
1239040-20-0P 1239046-67-3P 1239049-53-6P
1239053-31-6P 1239068-99-5P 1239077-26-9P
1239078-28-4P 1239081-63-0P 1239082-58-6P
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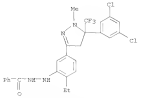
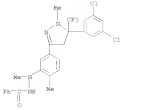
1239117-92-0P 1239141-30-0P 1239158-03-2P
1239168-82-1P 1239169-79-9P 1239171-77-7P
1239182-79-6P 1239208-10-6P 1239228-41-1P
1239234-14-0P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRPH (Prophetic); SPN (Synthetic preparation); BIOL (Biological study); USES (Uses); PREP (Preparation)
(preparation of azolyl aryl hydrazides as pesticides)

RN 1238618-68-2 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-ethylphenyl]hydrazide (CA INDEX

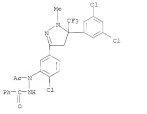
NAME)



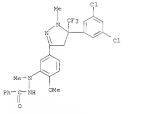
RN 1238622-90-6 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-methylphenyl]-2-methylhydrazide (CA INDEX NAME)



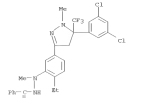
RN 1238623-37-4 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-ethylphenyl]-2-methylhydrazide (CA INDEX NAME)



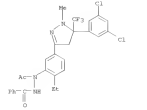
RN 1238630-66-4 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-methoxyphenyl]-2-methylhydrazide (CA INDEX NAME)



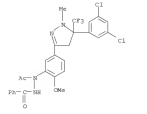
RN 1238634-06-4 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-methoxyphenyl]hydrazide (CA INDEX NAME)



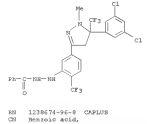
RN 1238626-67-9 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-ethylphenyl]hydrazide (CA INDEX NAME)



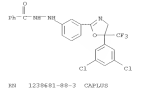
RN 1238629-53-2 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-chloro-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]hydrazide (CA INDEX NAME)



RN 1238651-50-7 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-(trifluoromethyl)phenyl]hydrazide (CA INDEX NAME)

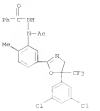


RN 1238674-96-8 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-oxazolyl]phenyl]hydrazide (CA INDEX NAME)



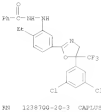
RN 1238681-88-3 CAPLUS

CN Benzoic acid, 2-methyl-2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-[trifluoromethyl]-2-oxazolyl]-2-methylphenyl]hydrazide (CA INDEX NAME)



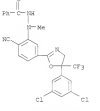
RN 1238682-44-4 CAPLUS

CN Benzoic acid, 2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-2-oxazolyl]-2-ethylphenyl]hydrazide (CA INDEX NAME)



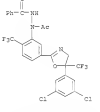
RN 1238700-20-3 CAPLUS

CN Benzoic acid, 2-[2-bromo-5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-[trifluoromethyl]-2-oxazolyl]phenyl]hydrazide (CA INDEX NAME)



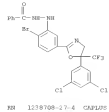
RN 1238722-29-7 CAPLUS

CN Benzoic acid, 2-methyl-2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-[trifluoromethyl]-2-oxazolyl]-2-[trifluoromethyl]phenyl]hydrazide (CA INDEX NAME)



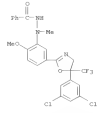
RN 1238746-60-3 CAPLUS

CN Benzoic acid, 2-[3-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-2-thiazolyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



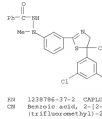
RN 1238708-27-4 CAPLUS

CN Benzoic acid, 2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-2-oxazolyl]-2-methoxyphenyl]-2-methylhydrazide (CA INDEX NAME)



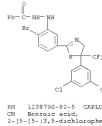
RN 1238717-02-6 CAPLUS

CN Benzoic acid, 2-[2-cyano-5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl]-2-oxazolyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



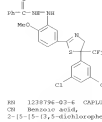
RN 1238786-37-2 CAPLUS

CN Benzoic acid, 2-[2-bromo-5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl]-2-thiazolyl]phenyl]hydrazide (CA INDEX NAME)



RN 1238790-82-5 CAPLUS

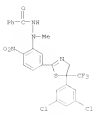
CN Benzoic acid, 2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl]-2-thiazolyl]-2-methoxyphenyl]hydrazide (CA INDEX NAME)



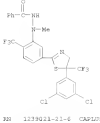
RN 1238794-03-6 CAPLUS

CN Benzoic acid, 2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-

2-thiazolyl]-2-nitrophenyl]-2-methylhydrazide (CA INDEX NAME)

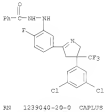


RN 1238804-75-5 CAPLUS
CN Benzoic acid,
2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-
2-thiazolyl]-2-[trifluoromethyl]phenyl]-2-methylhydrazide (CA INDEX NAME)

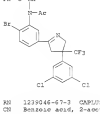


RN 1239021-21-6 CAPLUS
CN Benzoic acid,
2-[2-[3-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-
2H-pyrrol-5-yl]phenyl]hydrazide (CA INDEX NAME)

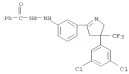
2H-pyrrol-5-yl]-2-fluorophenyl]hydrazide (CA INDEX NAME)



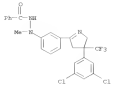
RN 1239040-29-0 CAPLUS
CN Benzoic acid,
2-acetyl-2-[2-bromo-5-[3-[3,5-dichlorophenyl]-3,4-dihydro-3-
(trifluoromethyl)-2H-pyrrol-5-yl]phenyl]hydrazide (CA INDEX NAME)



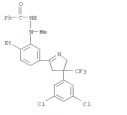
RN 1239046-67-7 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-
(trifluoromethyl)-2H-pyrrol-5-yl]-2-nitrophenyl]hydrazide (CA INDEX NAME)



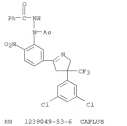
RN 1239022-15-1 CAPLUS
CN Benzoic acid,
2-[5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-
2H-pyrrol-5-yl]phenyl]-2-methylhydrazide (CA INDEX NAME)



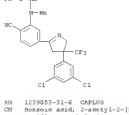
RN 1239029-77-6 CAPLUS
CN Benzoic acid,
2-[5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-
2H-pyrrol-5-yl]-2-ethylphenyl]-2-methylhydrazide (CA INDEX NAME)



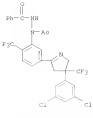
RN 1239031-71-0 CAPLUS
CN Benzoic acid,
2-[5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-



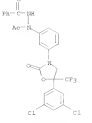
RN 1239049-53-6 CAPLUS
CN Benzoic acid, 2-[5-cyano-5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-
(trifluoromethyl)-2H-pyrrol-5-yl]phenyl]-2-methylhydrazide (CA INDEX NAME)



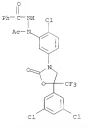
RN 1239052-31-6 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-
(trifluoromethyl)-2H-pyrrol-5-yl]-2-(trifluoromethyl)phenyl]hydrazide (CA
INDEX NAME)



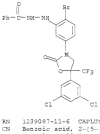
RN 1239068-99-5 CAPLUS
CN Benzoic acid, 2-acetyl-2-[3-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]phenyl]hydrazide (CA INDEX NAME)



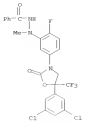
RN 1239077-26-9 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]-2-fluorophenyl]-2-methylhydrazide (CA INDEX NAME)



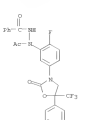
RN 1239082-58-6 CAPLUS
CN Benzoic acid, 2-[2-bromo-5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]phenyl]hydrazide (CA INDEX NAME)



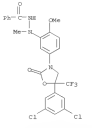
RN 1239087-11-6 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]-2-methoxyphenyl]-2-methylhydrazide (CA INDEX NAME)



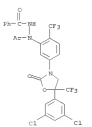
RN 1239078-28-4 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]-2-fluorophenyl]hydrazide (CA INDEX NAME)



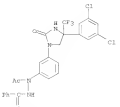
RN 1239081-63-0 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-chloro-5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]phenyl]hydrazide (CA INDEX NAME)



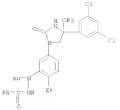
RN 1239094-48-4 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]-2-(trifluoromethyl)phenyl]hydrazide (CA INDEX NAME)



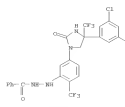
RN 1239111-32-0 CAPLUS
CN Benzoic acid, 2-acetyl-2-[3-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]phenyl]hydrazide (CA INDEX NAME)



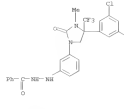
RN 1239127-92-0 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-ethylphenyl]hydrazide (CA INDEX NAME)



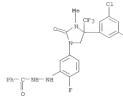
RN 1239141-30-0 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-(trifluoromethyl)phenyl]hydrazide (CA INDEX NAME)



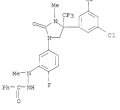
RN 1239158-03-2 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]phenyl]hydrazide (CA INDEX NAME)



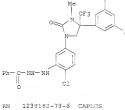
RN 1239168-82-1 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-fluorophenyl]hydrazide (CA INDEX NAME)



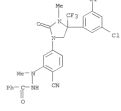
RN 1239169-79-9 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-fluorophenyl]-2-methylhydrazide (CA INDEX NAME)



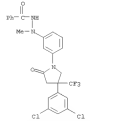
RN 1239171-77-7 CAPLUS
CN Benzoic acid, 2-[2-chloro-5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]phenyl]hydrazide (CA INDEX NAME)



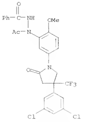
RN 1239182-79-6 CAPLUS
CN Benzoic acid, 2-[2-cyano-5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1239208-10-6 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-pyrrolidinyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1239208-41-1 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-pyrrolidinyl]-2-methoxyphenyl]hydrazide (CA INDEX NAME)



RN 1239234-14-0 CAPLUS
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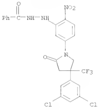

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2010:1069021 CAPLUS
DOCUMENT NUMBER: 153:276350
TITLE: Preparation of azolyl aryl hydrazides as pesticides
INVENTOR(S): Ihara, Hideki; Kumamoto, Koji
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
SOURCE: PCT Int. Appl., 219pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 6
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010090344	A1	20100812	WO 2010-XB52109	20100205

W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010090344	A1	20100812	WO 2010-JP52109	20100205

W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
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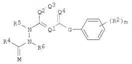
PRIORITY APPLN. INFO.: JP 2009-25839 A 20090206
WO 2010-JP52109 20100205

GI



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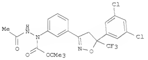


II

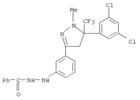
AB Title compds. [I; G = specified azolyl; M = O, S; m = 0-5; Q1-Q4 = N, CR3; R2 = (halo)alkyl, (halo)alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, NO2, cyano, halo; R3 = H, (halo)alkyl, (halo)alkoxy, No2, cyano, halo; R4 = H, (substituted) (cyclic) hydrocarbyl, hydrocarbyloxy, heterocyclyl, amino; R5, R6 = H, CHO, alkylcarbonyl, alkoxycarbonyl, cycloalkyl, (substituted) hydrocarbyl, PhCO; with provisos], were prepared Thus, title compound (II) [multistep preparation from 3-nitrobenzaldoxime, 2-(3,5-dichlorophenyl)-3,3,3-trifluoro-1-propene, di-tert-Bu dicarbonate, and AcCl given] at 500 ppm gave 100% kill of Musca domestica. [This abstract record is one of 6 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT

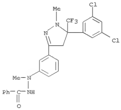
1238613-72-3P	1238615-08-1P	1238618-01-3P
1238625-50-7P	1238626-18-0P	1238636-39-9P
1238648-68-4P	1238650-06-0P	1238676-30-6P
1238688-32-8P	1238704-52-3P	1238709-53-9P
1238710-71-8P	1238720-88-1P	1238769-19-1P
1238770-45-0P	1238792-18-1P	1238803-46-7P
1239028-84-2P	1239030-71-7P	1239036-40-8P
1239037-33-2P	1239038-32-4P	1239044-69-9P
1239071-06-7P	1239079-38-9P	1239080-66-0P
1239084-75-3P	1239094-79-1P	1239114-32-9P
1239116-96-1P	1239140-32-9P	1239160-07-6P
1239162-10-7P	1239163-11-1P	1239181-86-2P
1239185-45-5P	1239209-08-5P	1239210-01-5P
1239214-32-4P	1239220-39-3P	1239224-47-5P
1239226-18-6P	1239236-04-4P	

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRPH (Prophetic); SPN (Synthetic preparation); BIOL (Biological study); USES (Uses); PREP (Preparation)
(preparation of azolyl aryl hydrazides as pesticides)

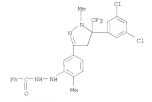
RN 1238613-72-3 CAPLUS
CN Benzoic acid, 2-[3-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]hydrazide (CA INDEX NAME)



RN 1238615-08-1 CAPLUS
CN Benzoic acid, 2-[3-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1238618-01-3 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-methylphenyl]hydrazide (CA INDEX NAME)



RN 1238625-50-7 CAPLUS
CN Benzoic acid,
2-[2-chloro-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-
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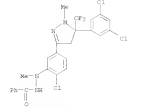
NAME)



RN 1238626-18-0 CAPLUS
CN Benzoic acid,
2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-
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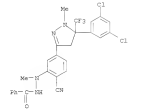
NAME)



RN 1238650-06-0 CAPLUS
CN Benzoic acid,
2-acetyl-2-[2-cyano-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-
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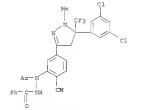
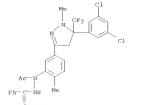
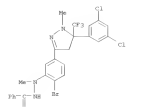
NAME)



RN 1238676-30-6 CAPLUS
CN Benzoic acid,
2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-
2-oxazolyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1238676-39-9 CAPLUS
CN Benzoic acid,
2-[2-bromo-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-
(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]-2-methylhydrazide (CA INDEX
NAME)



RN 1238648-68-4 CAPLUS
CN Benzoic acid,
2-[2-cyano-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-
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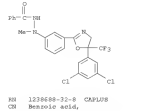
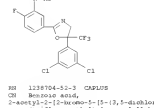
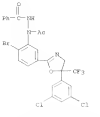
NAME)



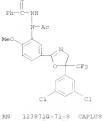
RN 1238688-32-8 CAPLUS
CN Benzoic acid,
2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-
2-oxazolyl]-2-fluorophenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1238704-52-3 CAPLUS
CN Benzoic acid,
2-acetyl-2-[2-bromo-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-
(trifluoromethyl)-2-oxazolyl]phenyl]hydrazide (CA INDEX NAME)



RN 1238709-19-9 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-oxazolyl]-2-methoxyphenyl]hydrazide (CA INDEX NAME)



RN 1238710-71-8 CAPLUS
CN Benzoic acid,
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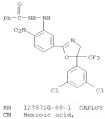

RN 1238720-88-1 CAPLUS
CN Benzoic acid,
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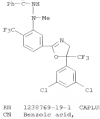
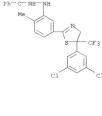
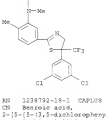


RN 1238769-19-1 CAPLUS
CN Benzoic acid,
2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-thiazolyl]-2-methylphenyl]hydrazide (CA INDEX NAME)



RN 1238770-45-6 CAPLUS
CN Benzoic acid,
2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-thiazolyl]-2-methylphenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1238792-18-1 CAPLUS
CN Benzoic acid,
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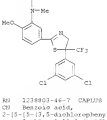

RN 1238803-46-7 CAPLUS
CN Benzoic acid,
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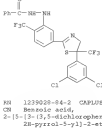
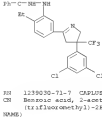
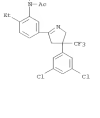


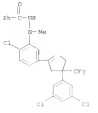
RN 1239028-84-2 CAPLUS
CN Benzoic acid,
2-[5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-2H-pyrrol-5-yl]-2-ethylphenyl]hydrazide (CA INDEX NAME)



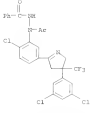
RN 1239070-71-7 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[3-(3,5-dichlorophenyl)-3,4-dihydro-2-(trifluoromethyl)-2H-pyrrol-5-yl]-2-ethylphenyl]hydrazide (CA INDEX NAME)



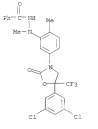
RN 1239036-40-8 CAPLUS
CN Benzoic acid, 2-[2-chloro-5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-2H-pyrrol-5-yl]phenyl]-2-methylhydrazide (CA INDEX NAME)



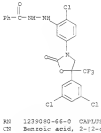
RN 1239027-33-2 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-chloro-5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-2H-pyrrol-5-yl]phenyl]hydrazide (CA INDEX NAME)



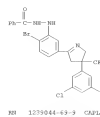
RN 1239028-32-4 CAPLUS
CN Benzoic acid, 2-[2-bromo-5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-2H-pyrrol-5-yl]phenyl]hydrazide (CA INDEX NAME)



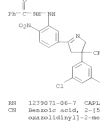
RN 1239079-38-9 CAPLUS
CN Benzoic acid, 2-[2-chloro-5-[5-[3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]phenyl]hydrazide (CA INDEX NAME)



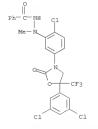
RN 1239080-66-0 CAPLUS
CN Benzoic acid, 2-[2-chloro-5-[5-[3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



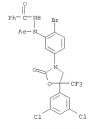
RN 1239044-69-9 CAPLUS
CN Benzoic acid, 2-[5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-(trifluoromethyl)-2H-pyrrol-5-yl]-2-nitrophenyl]hydrazide (CA INDEX NAME)



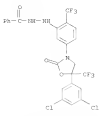
RN 1239071-06-7 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]-2-methylphenyl]-2-methylhydrazide (CA INDEX NAME)



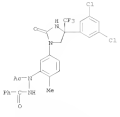
RN 1239084-75-3 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-bromo-5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]phenyl]hydrazide (CA INDEX NAME)



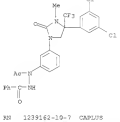
RN 1239094-79-1 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-2-oxo-5-(trifluoromethyl)-3-oxazolidinyl]-2-[trifluoromethyl]phenyl]hydrazide (CA INDEX NAME)



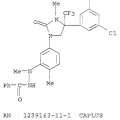
RN 1239124-32-9 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-methylphenyl]hydrazide (CA INDEX NAME)



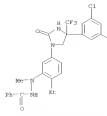
RN 1239116-96-1 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-methylphenyl]-2-methylhydrazide (CA INDEX NAME)



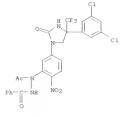
RN 1239162-19-7 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-methylphenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1239163-11-1 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-methylphenyl]hydrazide (CA INDEX NAME)

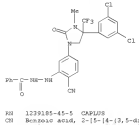


RN 1239140-32-9 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-nitrophenyl]hydrazide (CA INDEX NAME)

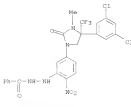


RN 1239160-07-6 CAPLUS
CN Benzoic acid, 2-acetyl-2-[3-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]phenyl]hydrazide (CA INDEX NAME)

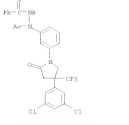
RN 1239181-86-2 CAPLUS
CN Benzoic acid, 2-[2-cyano-5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]phenyl]hydrazide (CA INDEX NAME)



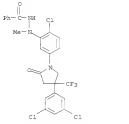
RN 1239185-45-5 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]-2-nitrophenyl]hydrazide (CA INDEX NAME)



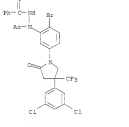
RN 1239209-68-5 CAPLUS
CN Benzoic acid, 2-acetyl-2-[3-[4-(3,5-dichlorophenyl)-2-oxo-4-[trifluoromethyl)-1-pyrrolidinyl]phenyl]hydrazide (CA INDEX NAME)



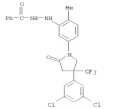
RN 1239219-01-5 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-pyrrolidinyl]-2-methylphenyl]hydrazide (CA INDEX NAME)



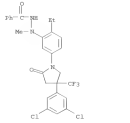
RN 1239224-47-5 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-bromo-5-[4-(3,5-dichlorophenyl)-2-oxo-4-[trifluoromethyl)-1-pyrrolidinyl]phenyl]hydrazide (CA INDEX NAME)



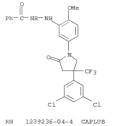
RN 1239226-18-6 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-pyrrolidinyl]-2-methoxyphenyl]hydrazide (CA INDEX NAME)



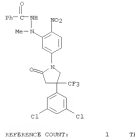
RN 1239214-32-4 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-pyrrolidinyl]-2-ethylphenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1239220-39-3 CAPLUS
CN Benzoic acid, 2-[2-chloro-5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-pyrrolidinyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1239236-04-4 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-(trifluoromethyl)-1-pyrrolidinyl]-2-nitrophenyl]-2-methylhydrazide (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2010:1569520 CAPLUS
DOCUMENT NUMBER: 153:276349
TITLE: Preparation of acolyl aryl hydrazides as pesticides.
INVENTOR(S): Ihara, Hideki; Kunamoto, Koji
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
SOURCE: PCT Int. Appl., 219pp.
CODEN: PIXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 6
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010092044	A1	20100812	WO 2010-EP51019	20100205
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, ST, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
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PRIORITY APPLN. INFO.:			JP 2009-25839 A	20090206
			WO 2010-JP51019	20100205

GI

I

II

AB Title compds. [I; G = specified acolyl; M = O, S; n = 0-5; Q1-Q4 = N, CR3; R2 = (halo)alkyl, (halo)alkoxy, alkylsulfinyl, alkylsulfonyl, NO2, cyano, halo; R3 = R, (halo)alkyl, (halo)alkoxy, NO2, cyano, halo; R4 = R, (substituted) (cyclic) hydrocarbyl, hydrocarbyloxy, heterocyclyl, amino; R5, R6 = R, CHO, alkylcarbonyl, alkoxycarbonyl, cycloalkyl, (substituted) hydrocarbyl, PhCO; with provisos], were prepared Thus, title compound [II] [melt.step preparation from 3-nitrobenzaldoxime, 2-(3,5-dichlorophenyl)-5,5,5-trifluoro-1-propene, di-tert-Bu disulfonate, and AcCl given] at 500 ppm gave 100% kill of Nasca decemlinea. [This abstract record is one of 6 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 1238624-96-4P 1238637-76-7P 1238640-58-4P
1238642-85-0P 1238654-09-5P 1238677-58-1P
1238706-73-4P 1238719-56-6P 1238773-95-9P
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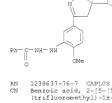
1239221-36-3P 1239238-43-7P 1239239-58-7P
RL: AGR (Agricultural use); BPR (Biological study, unclassified); PREP (Prophetic); SPN (Synthetic preparation); BIOL (Biological study); USES (Uses); PREP (Preparation)
(preparation of acolyl aryl hydrazides as pesticides)

RN 1238624-96-4 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-nitrophenyl]hydrazide (CA INDEX NAME)



RN 1238637-76-7 CAPLUS
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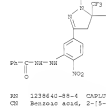
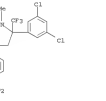


RN 1238640-58-4 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-nitrophenyl]-2-methylhydrazide (CA INDEX NAME)

RN 1238642-85-0 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-1-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-nitrophenyl]hydrazide (CA INDEX NAME)



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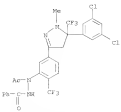

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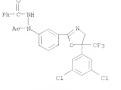

RN 1238704-73-4 CAPLUS
CN Benzoic acid,
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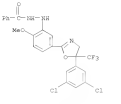
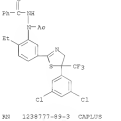


RN 1238719-56-6 CAPLUS



RN 1238777-89-3 CAPLUS
CN Benzoic acid,
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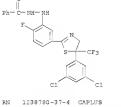

RN 1238780-37-4 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-thiazolyl]-2-fluorophenyl]hydrazide (CA INDEX NAME)

Benzoic acid,
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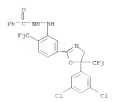

RN 1238773-95-9 CAPLUS
CN Benzoic acid,
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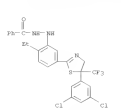
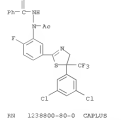


RN 1238776-54-9 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-thiazolyl]-2-ethylphenyl]hydrazide (CA INDEX NAME)



RN 1238800-80-0 CAPLUS
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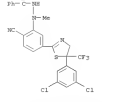
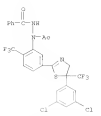


RN 1238806-00-2 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-2-thiazolyl]-2-(trifluoromethyl)phenyl]hydrazide (CA INDEX NAME)



RN 1239024-76-0 CAPLUS
CN Benzoic acid,
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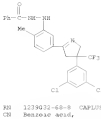
2H-pyrrol-5-yl]-2-methylphenyl]hydrazide (CA INDEX NAME)



RN 1239032-68-8 CAPLUS
CN Benzoic acid,
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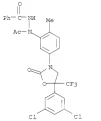
2H-pyrrol-5-yl]-2-fluorophenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1239076-26-6 CAPLUS
CN Benzoic acid, 2-[5-[5-[3,5-dichlorophenyl]-2-oxo-5-(trifluoromethyl)-3-
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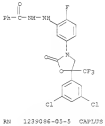
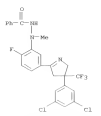


RN 1239086-05-5 CAPLUS
CN Benzoic acid, 2-[5-[5-[3,5-dichlorophenyl]-2-oxo-5-(trifluoromethyl)-3-
oxazolidinyl]-2-methoxyphenyl]hydrazide (CA INDEX NAME)



RN 1239043-53-8 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[3-(3,5-dichlorophenyl)-3,4-dihydro-3-
(trifluoromethyl)-2H-pyrrol-5-yl]-2-methoxyphenyl]hydrazide (CA INDEX
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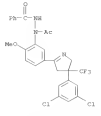

RN 1239072-13-9 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-[3,5-dichlorophenyl)-2-oxo-5-
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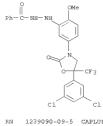

RN 1239090-09-5 CAPLUS
CN Benzoic acid, 2-[5-cyano-5-[5-[3,5-dichlorophenyl)-2-oxo-5-
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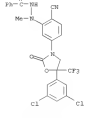
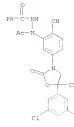
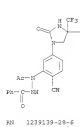


RN 1239091-02-1 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-cyano-5-[5-[3,5-dichlorophenyl)-2-oxo-5-
(trifluoromethyl)-3-oxazolidinyl]phenyl]hydrazide (CA INDEX NAME)

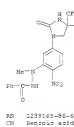


RN 1239120-44-6 CAPLUS
CN Benzoic acid, 2-[5-[4-[3,5-dichlorophenyl]-2-oxo-4-[trifluoromethyl]-1-imidazolidinyl]phenyl]hydrazide (CA INDEX NAME)

RN 1239113-39-3 CAPLUS
CN Benzoic acid, 2-[5-[4-[3,5-dichlorophenyl]-2-oxo-4-[trifluoromethyl]-1-imidazolidinyl]-2-methylphenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1239137-00-8 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-cyano-5-[4-[3,5-dichlorophenyl]-2-oxo-4-[trifluoromethyl]-1-imidazolidinyl]phenyl]hydrazide (CA INDEX NAME)



RN 1239139-28-6 CAPLUS
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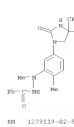
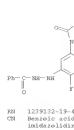


RN 1239119-02-8 CAPLUS
CN Benzoic acid, 2-[5-[4-[3,5-dichlorophenyl]-2-oxo-4-[trifluoromethyl]-1-imidazolidinyl]-2-fluorophenyl]hydrazide (CA INDEX NAME)



RN 1239132-19-4 CAPLUS
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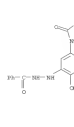
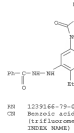
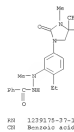
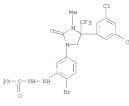




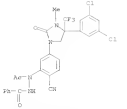
RN 1239166-79-0 CAPLUS
CN Benzoic acid, 2-[5-[4-[3,5-dichlorophenyl]-3-methyl-2-oxo-4-[trifluoromethyl]-1-imidazolidinyl]-2-ethylphenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1239175-37-1 CAPLUS
CN Benzoic acid, 2-[2-bromo-5-[4-[3,5-dichlorophenyl]-3-methyl-2-oxo-4-[trifluoromethyl]-1-imidazolidinyl]phenyl]hydrazide (CA INDEX NAME)



RN 1239183-74-4 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-cyano-5-[4-(3,5-dichlorophenyl)-3-methyl-2-oxo-4-(trifluoromethyl)-1-imidazolidinyl]phenyl]hydrazide (CA INDEX NAME)



RN 1239189-74-4 CAPLUS
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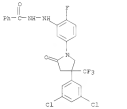

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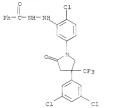

RN 1239221-36-3 CAPLUS
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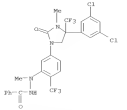

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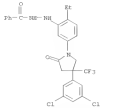
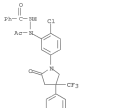
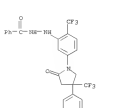


RN 1239214-24-0 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-[trifluoromethyl]-1-pyrrolidinyl]-2-fluorophenyl]hydrazide (CA INDEX NAME)



RN 1239238-42-7 CAPLUS
CN Benzoic acid, 2-[5-[4-(3,5-dichlorophenyl)-2-oxo-4-[trifluoromethyl]-1-pyrrolidinyl]-2-[trifluoromethyl]phenyl]hydrazide (CA INDEX NAME)



RN 1239239-58-7 CAPLUS
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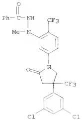

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2010:1001545 CAPLUS
DOCUMENT NUMBER: 153:260331
TITLE: Preparation of azolyl aryl hydrazides as pesticides
INVENTOR(S): Ihara, Hideki; Kumamoto, Koji
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
SOURCE: PCT Int. Appl., 219pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 6
PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE
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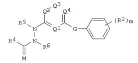

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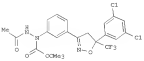

II

AB Title compds. [I; G = specified azolyl; M = O, S; m = 0-5; Q1-Q4 = N, CR3;
R2 = (halo)alkyl, (halo)alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, NO2, cyano, halo; R3 = H, (halo)alkyl, (halo)alkoxy, No2, cyano, halo; R4 = H, (substituted) (cyclic) hydrocarbyl, hydrocarbyloxy, heterocyclyl, amino; R5, R6 = H, CHO, alkylcarbonyl, alkoxycarbonyl, cycloalkyl, (substituted) hydrocarbyl, PhCO; with provisos], were prepared Thus, title
compound (II) [multistep preparation from 3-nitrobenzaldoxime, 2-(3,5-dichlorophenyl)-3,3,3-trifluoro-1-propene, di-tert-Bu dicarbonate, and AcCl given] at 500 ppm gave 100% kill of Musca domestica. [This abstract record is one of 6 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 1238479-95-2P 1238481-29-2P 1238482-58-0P
1238483-99-2P 1238485-41-0P 1238486-85-5P
1238491-84-3P 1238493-43-0P 1238495-47-0P
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RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRPH (Prophetic); SPN (Synthetic preparation); BIOL (Biological study); USES (Uses); PREP (Preparation)

RN 1238479-95-2 CAPLUS
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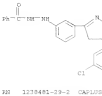
3-isoxazolyl]phenyl]hydrazide (CA INDEX NAME)



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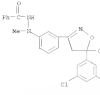

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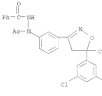

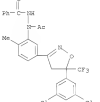

RN 1238491-84-3 CAPLUS
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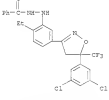
3-isoxazolyl]-2-ethylphenyl]hydrazide (CA INDEX NAME)



RN 1238497-47-0 CAPLUS
CN Benzoic acid,
2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-
3-isoxazolyl]-2-ethylphenyl]-2-methylhydrazide (CA INDEX NAME)

RN 1238483-99-2 CAPLUS
CN Benzoic acid,
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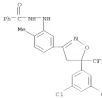
3-isoxazolyl]-2-methylphenyl]hydrazide (CA INDEX NAME)



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CN Benzoic acid,
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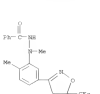
3-isoxazolyl]-2-methylphenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1238486-85-5 CAPLUS
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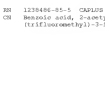

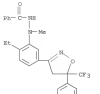

RN 1238495-47-0 CAPLUS
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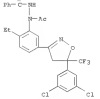
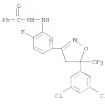
(trifluoromethyl)-3-isoxazolyl]-2-ethylphenyl]hydrazide (CA INDEX NAME)



RN 1238497-80-7 CAPLUS
CN Benzoic acid,
2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-
3-isoxazolyl]-2-fluorophenyl]hydrazide (CA INDEX NAME)



RN 1238499-80-3 CAPLUS
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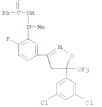

RN 1238501-75-1 CAPLUS
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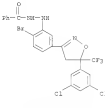
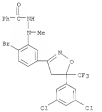
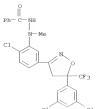


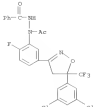
RN 1238506-50-7 CAPLUS
CN Benzoic acid, 2-[2-bromo-5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-3-isoxazolyl]phenyl]-2-methylhydrazide (CA INDEX NAME)



RN 1238508-11-6 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-bromo-5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-3-isoxazolyl]phenyl]hydrazide (CA INDEX NAME)



RN 1238501-90-0 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-3-isoxazolyl]-2-fluorophenyl]hydrazide (CA INDEX NAME)



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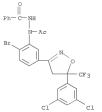

RN 1238510-26-3 CAPLUS
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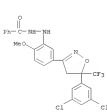

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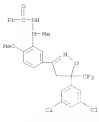
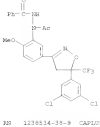


RN 1238513-97-9 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-[trifluoromethyl]-3-isoxazolyl]-2-methoxyphenyl]hydrazide (CA INDEX NAME)



RN 1238514-38-9 CAPLUS
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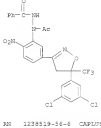

RN 1238519-56-6 CAPLUS
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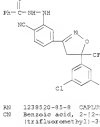

RN 1238520-85-8 CAPLUS
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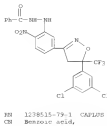

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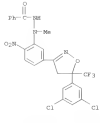

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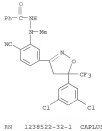

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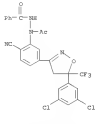

RN 1238523-61-9 CAPLUS
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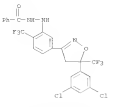

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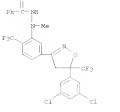
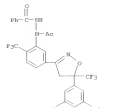
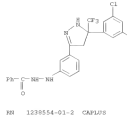


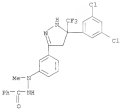
RN 1238526-21-0 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-3-isoxazolyl]-2-(trifluoromethyl)phenyl]hydrazide (CA INDEX NAME)



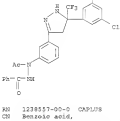
RN 1238552-83-4 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]hydrazide (CA INDEX NAME)



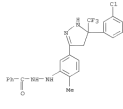
RN 1238554-01-2 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]-2-methylhydrazide (CA INDEX NAME)



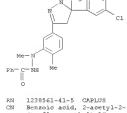
RN 1238555-27-5 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]hydrazide (CA INDEX NAME)



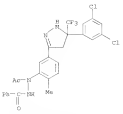
RN 1238557-00-0 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-methylphenyl]hydrazide (CA INDEX NAME)



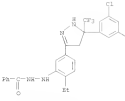
RN 1238559-16-4 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-methylphenyl]-2-methylhydrazide (CA INDEX NAME)



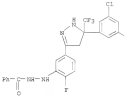
RN 1238561-41-5 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-methylphenyl]hydrazide (CA INDEX NAME)



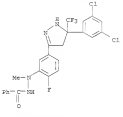
RN 1238562-62-3 CAPLUS
CN Benzoic acid,
2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-
1H-pyrazol-3-yl]-2-ethylphenyl]hydrazide (CA INDEX NAME)



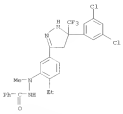
RN 1238564-15-2 CAPLUS
CN Benzoic acid,
2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-
1H-pyrazol-3-yl]-2-ethylphenyl]-2-methylhydrazide (CA INDEX NAME)



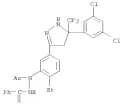
RN 1238569-28-9 CAPLUS
CN Benzoic acid,
2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-
1H-pyrazol-3-yl]-2-fluorophenyl]-2-methylhydrazide (CA INDEX NAME)



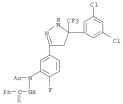
RN 1238569-65-7 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-
(trifluoromethyl)-1H-pyrazol-3-yl]-2-fluorophenyl]hydrazide (CA INDEX
NAME)



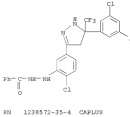
RN 1238565-61-1 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-
(trifluoromethyl)-1H-pyrazol-3-yl]-2-ethylphenyl]hydrazide (CA INDEX
NAME)



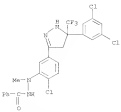
RN 1238566-90-7 CAPLUS
CN Benzoic acid,
2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-
1H-pyrazol-3-yl]-2-fluorophenyl]hydrazide (CA INDEX NAME)



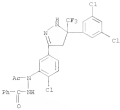
RN 1238571-07-7 CAPLUS
CN Benzoic acid, 2-[2-chloro-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-
(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]hydrazide (CA INDEX NAME)



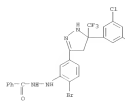
RN 1238572-35-4 CAPLUS
CN Benzoic acid, 2-[2-chloro-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-
(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]-2-methylhydrazide (CA INDEX
NAME)



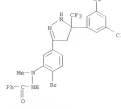
RN 1238577-61-9 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-chloro-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]hydrazide (CA INDEX NAME)



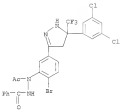
RN 1238574-86-1 CAPLUS
CN Benzoic acid, 2-[2-bromo-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]hydrazide (CA INDEX NAME)



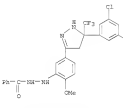
RN 1238576-35-6 CAPLUS
CN Benzoic acid, 2-[2-bromo-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]-2-methylhydrazide (CA INDEX NAME)



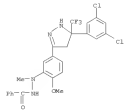
RN 1238577-71-3 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-bromo-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]hydrazide (CA INDEX NAME)



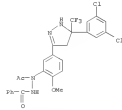
RN 1238579-16-2 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-methoxyphenyl]hydrazide (CA INDEX NAME)



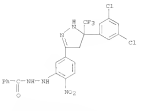
RN 1238581-14-0 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-methoxyphenyl]-2-methylhydrazide (CA INDEX NAME)



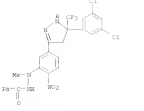
RN 1238582-40-5 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-methoxyphenyl]hydrazide (CA INDEX NAME)



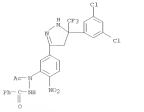
RN 1238582-59-9 CAPLUS
CN Benzoic acid, 2-[5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-1H-pyrazol-3-yl]-2-nitrophenyl]hydrazide (CA INDEX NAME)



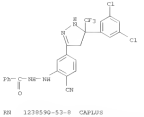
RN 1238584-86-5 CAPLUS
CN Benzoic acid,
2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-
1H-pyrazol-3-yl]-2-nitrophenyl]-2-methylhydrazide (CA INDEX NAME)



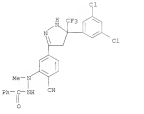
RN 1238586-10-3 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-
(trifluoromethyl)-1H-pyrazol-3-yl]-2-nitrophenyl]hydrazide (CA INDEX
NAME)



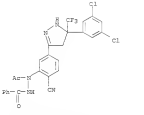
RN 1238589-31-5 CAPLUS
CN Benzoic acid, 2-[2-cyano-5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-
(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]hydrazide (CA INDEX NAME)



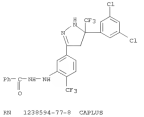
RN 1238590-53-8 CAPLUS
CN Benzoic acid, 2-[2-cyano-5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-
(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]-2-methylhydrazide (CA INDEX
NAME)



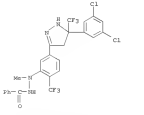
RN 1238592-19-3 CAPLUS
CN Benzoic acid,
2-acetyl-2-[2-cyano-5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-
(trifluoromethyl)-1H-pyrazol-3-yl]phenyl]hydrazide (CA INDEX NAME)



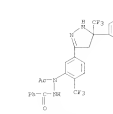
RN 1238593-48-0 CAPLUS
CN Benzoic acid,
2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-
1H-pyrazol-3-yl]-2-(trifluoromethyl)phenyl]hydrazide (CA INDEX NAME)



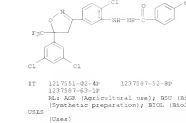
RN 1238594-77-8 CAPLUS
CN Benzoic acid,
2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-(trifluoromethyl)-
1H-pyrazol-3-yl]-2-(trifluoromethyl)phenyl]-2-methylhydrazide (CA INDEX
NAME)



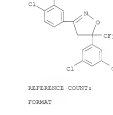
RN 1238595-99-7 CAPLUS
CN Benzoic acid, 2-acetyl-2-[5-[5-[3,5-dichlorophenyl]-4,5-dihydro-5-
(trifluoromethyl)-1H-pyrazol-3-yl]-2-(trifluoromethyl)phenyl]hydrazine
(CA INDEX NAME)



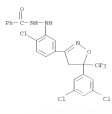
IT 1237587-58-4P
PL; AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of azolyl aryl hydrazides as pesticides)
RN 1237587-58-4 CAPLUS
CN Benzoic acid, 4-methoxy-, 2-[2-chloro-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-3-isoxazolyl]phenyl]hydrazide (CA INDEX NAME)



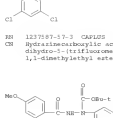
IT 1217551-02-4P 1237587-52-8P 1237587-57-3P 1237587-63-1P
PL; AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of azolyl aryl hydrazides as pesticides)
RN 1217551-02-4 CAPLUS
CN Benzoic acid, 2-[2-chloro-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-3-isoxazolyl]phenyl]hydrazide (CA INDEX NAME)



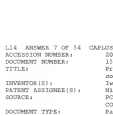
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



RN 1237587-52-8 CAPLUS
CN Benzoic acid, 4-nitro-, 2-[2-chloro-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-3-isoxazolyl]phenyl]hydrazide (CA INDEX NAME)



RN 1237587-57-3 CAPLUS
CN Hydrazinecarboxylic acid, 1-[2-chloro-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-3-isoxazolyl]phenyl]-2-[4-methoxybenzyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

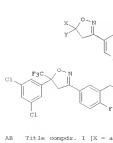


RN 1237587-63-1 CAPLUS
CN Benzoic acid, 2-acetyl-2-[2-chloro-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-3-isoxazolyl]phenyl]hydrazide (CA INDEX NAME)

ACCESSION NUMBER: 2010:384441 CAPLUS
DOCUMENT NUMBER: 152:381391
TITLE: Preparation of nitrogen-containing heterocyclic compounds as pesticides
INVENTOR(S): Iwata, Jyun; Kawaguchi, Masahiro
PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan
SOURCE: PCT Int. Appl., 95pp.
CODEN: PIXD2D
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010037437	A1	20100325	WO 2009-JP4601	20090915
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRIORITY APPLN. INFO.:			JP 2008-239724 A	20080918

OTHER SOURCE(S): MARPAT 152:381391
GI



AB Title compds. I [X = alkyl, alkenyl, alkynyl, etc.; Y = alkyl; Z = nitro, hydroxy, mercapto, etc.; n = 0-3; A = carbon or nitrogen atom (when the carbon atom is not substituted by Z, hydrogen atom is bonded thereto); B = O, C(:O), -(CR23R22)m-, etc.; R21, R22 = H or organic group; m = 1 or 2; M =

H, halo, cyano, etc.; R1, R2 = H, acyl or alkoxycarbonyl; R1 and R2, together with the nitrogen atom to which they are attached, may combine to form a heterocycle] or salts thereof were prepd. For example, bromination of 5-(3,5-dichlorophenyl)-3-(4-fluoro-3-methylphenyl)-5-trifluoromethyl-4,5-dihydroisoxazole followed by reaction with NaN3, redn. and acylation with propionic anhydride afforded compd. II. Compd. II exhibited 100% control activity for Aphis gossypii and two spotted spider mite at 125 ppm.

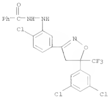
IT 1217551-02-4P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of nitrogen-containing heterocyclic compds. as pesticides)

RN 1217551-02-4 CAPLUS

CN Benzoic acid, 2-[2-chloro-5-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-3-isoxazolyl]phenyl]hydrazide (CA INDEX NAME)



REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2009:1136874 CAPLUS

DOCUMENT NUMBER: 151:381340

TITLE: Preparation of thiazolyldihydroindazole derivatives for use as antiproliferative agents

INVENTOR(S): McConnell, Darryl; Impagnatiello, Maria; Kessler, Dirk; Kraemer, Oliver; Schneider, Siegfried; Van Der Veen, Lars; Weyer-Czernilofsky, Ulrike; Wunberg, Tobias

PATENT ASSIGNEE(S): Boehringer Ingelheim International GmbH, Germany

SOURCE: PCT Int. Appl., 158pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2009112565	A1	20090917	WO 2009-EP52959		20090313
AR 70877	A1	20100512	AR 2009-100892		20090312
PRIORITY APPLN. INFO.:			EP 2008-152721	A	20080313

(WO 2009112565)
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

OTHER SOURCE(S): CASREACT 151:381340; MARPAT 151:381340

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [R1 = NH2, NHC(O)H, NHC(O)OH, etc.; R2 = H, (un)substituted alkyl, cycloalkyl, aryl, etc.; R3 = (un)substituted heteroaryl], and their pharmaceutically acceptable salts, are prepared and disclosed as antiproliferative agents. Thus, e.g., II was prepared by addition of 6-fluoronicotinic acid chloride to N-(7-oxo-4,5,6,7-tetrahydrobenzothiazol-2-yl)acetamide followed by cyclization with [3-fluoro-4-(2-morpholin-4-ylethoxy)phenyl]hydrazine hydrochloride (preparation given). Select I were evaluated in PC3 proliferation assays (data given).

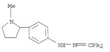
IT 1187368-74-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of thiazolyldihydroindazole derivs. for use as antiproliferative agents)

RN 1187368-74-6 CAPLUS

CN Methanone, diphenyl-, 2-[4-(1-methyl-2-pyrrolidinyl)phenyl]hydrazone (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2009:1136479 CAPLUS

DOCUMENT NUMBER: 151:381414

TITLE: Azatricyclic derivatives as inhibitors of poly(ADP-ribose)polymerase useful in the treatment of diseases and preparation and pharmaceutical compositions thereof

INVENTOR(S): Ingenito, Raffaele; Jones, Philip; Llauger Bufi, Laura; Ontoria Ontoria, Jesus Maria; Scarpelli, Rita

PATENT ASSIGNEE(S): Istituto di Ricerche di Biologia Molecolare P. Angeletti S.p.A., Italy

SOURCE: PCT Int. Appl., 80pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2009112832	A1	20090917	WO 2009-GB661		20090313
PRIORITY APPLN. INFO.:			GB 2008-4755	A	20080314

(WO 2009112832)
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

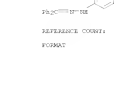
OTHER SOURCE(S): MARPAT 151:381414

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I, their pharmaceutically acceptable salts, stereoisomers, tautomers, and pharmaceutical compns. are prepared and disclosed as inhibitors of poly(ADP-ribose)polymerase (PARP) useful in the treatment of diseases. Compds. I [dotted lines = alternating double bonds forming an aromatic system; Q = (CR1R2)b; a and j independently = 0-3; b = 1 or 2; c and g independently = 0-6; d, e, f, and h = 0 or 1; one of A, B, D, and E = N and the others independently = N, C, or CH, with the provision that when D = N, at least one of A, B, and E = N; R1 and R2 independently = H or C1-6 alkyl; R3 independently = OH, halo, C1-6 alkyl, etc.; R4, R5, R7, and R8 independently = H, C1-6 alkyl, or halo C1-6 alkyl; R6 and R9 = H, C1-6 alkyl, or C3-10 cycloalkyl; R10 = H, NO2, C2-10 alkenyl, etc ; Y = C6-10 aryl or 5- to 10-membered unsatd. heterocycle], their pharmaceutically acceptable salts, stereoisomers, and tautomers are claimed. For example, compound II·TFA was prepared via multi-step procedure (preparation given).

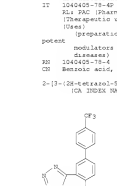
L14 ANSWER 9 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
Select 1 were assayed for PARP inhibition and were found to possess IC50 values of <5μM.
IT 1187318-69-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of azaticyclic derivs. as inhibitors of poly(ADP-ribose)polymerase useful in the treatment of diseases)
RN 1187318-69-9 CAPLUS
CN Methanone, diphenyl-, 2-[4-[1-phenylmethyl]-3-piperidinyl]phenyl]hydrazone (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 10 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
II, starting from III, was given. II was tested for the HK channel opening activity (data given). Pharmaceutical compns. comprising compd. I are disclosed.
IT 1040405-78-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of novel senlobarbide and carbonylhydrazide derivs. as potent modulators of potassium channels useful in treatment and prevention of diseases)
RN 1040405-78-4 CAPLUS
CN Benzoic acid, 3,5-bis(trifluoromethyl)-,

2-[3-(2H-tetrazol-5-yl)-4'-(trifluoromethyl)[1,1'-biphenyl]-4-yl]hydrazide (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 10 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2008:881453 CAPLUS
DOCUMENT NUMBER: 149:176348
TITLE: Preparation of novel semicarbazide and carbonylhydrazide derivatives useful as potassium channel modulators
INVENTOR(S): Nardi, Antonio; Dennits, Joachim; Grunnet, Morten; Christophersen, Palle; Jones, David Spencer; Nielsen, Elsebet Oestergaard; Strodbaek, Dorte; Madsen, Lars Olde
PATENT ASSIGNEE(S): Neurosearch A/S, Den.
SOURCE: PCT Int. Appl., 22pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

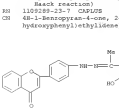
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008087177	A1	20080724	WO 2008-EP50487	20080117
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
EP 2121548	A1	20091125	EP 2008-701548	20080117
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR				
US 20100137327	A1	20100603	US 2009-522273	20090903
PRIORITY APPLN. INFO.:			DK 2007-82	A 20070118
			US 2007-880962P	P 20070118
			WO 2008-EP50487	W 20080117

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): CASREACT 149:176348; MARPAT 149:176348
GI

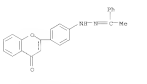
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. I [X = absent, NH; R1 = tetrazolyl; R2 = halo, OH or Ph (optionally substituted with one or more halo and/or CF3); R3, R4 = halo, CF3, OH and/or Ph] that are found to be potent modulators of potassium channels and, as such, they are valuable candidates for the treatment of diseases or disorders as diverse as those which are responsive to modulation of potassium channels, were prepared Thus, a 2-step synthesis of

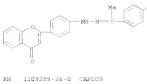
L14 ANSWER 11 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2008:510910 CAPLUS
DOCUMENT NUMBER: 150:191370
TITLE: Synthesis and biological activity of 2-[4-(4-formyl-3-[substituted phenyl] pyrazol-1-yl) phenyl]-4H-benzopyran-4-ones
AUTHOR(S): Bhalekar, Satish M.; Farah, Harshada N.
CORPORATE SOURCE: Organic Chemistry Research Laboratory, Department of Chemistry, S.I.W.S. College, Mumbai, 400 023, India
SOURCE: Indian Journal of Heterocyclic Chemistry (2008), 17(3), 285-286
CODEN: IJCHEJ; ISSN: 0971-1627
PUBLISHER: Prof. R. S. Varma
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 150:191370
AB 2-(4-Hydrazino phenyl)-4H-1-benzopyran-4-one was treated with appropriate Me Pk ketones to form corresponding hydrazones, which got cyclized under Vilsmeier Haack reaction to yield. The structures of the synthesized compds. were established on the basis of elemental anal. and spectral (IR and 1HNR) data. All compds. were screened for their antibacterial activity.
IT 1109289-23-7P 1109289-24-8P 1109289-25-9P
1109289-26-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and antibacterial activity of [(formyl-aryl-pyrazolyl)-phenyl]benzopyranones by condensation of hydrazinophenyl-benzopyranone with acetophenones followed by Vilsmeier Haack reaction)
RN 1109289-23-7 CAPLUS
CN 4H-1-Benzopyran-4-one, 2-[4-[2-[1-(2-hydroxyphenyl)ethylidene]hydrazinyl]phenyl]- (CA INDEX NAME)



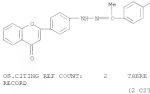
RN 1109289-24-8 CAPLUS
CN 4H-1-Benzopyran-4-one, 2-[4-[2-[1-phenylethylidene)hydrazinyl]phenyl]- (CA INDEX NAME)



RN 1109289-25-9 CAPLUS
CN 4H-1-Benzopyran-4-one, 2-[4-[2-[1-[4-hydroxybenzyl)ethylidene]hydrazinyl]phenyl]- (CA INDEX NAME)



RN 1109289-26-0 CAPLUS
CN 4H-1-Benzopyran-4-one, 2-[4-[2-[1-[4-nitrophenyl)ethylidene]hydrazinyl]phenyl]- (CA INDEX NAME)

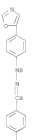


OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD
(2 CITINGS)
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2007:1398721 CAPLUS
DOCUMENT NUMBER: 148:158944
TITLE: Orally administered amyloidophilic compounds is effective in prolonging the incubation periods of animals cerebrally infected with prion diseases in a prion strain-dependent manner
AUTHOR(S): Kawasaki, Yuri; Kawagoe, Keiichi; Chen, Chun-pey; Teruya, Kenta; Sakaegawa, Yuji; Doh-ura, Katsumi
CORPORATE SOURCE: Department of Prion Research, Tohoku University Graduate School of Medicine, Sendai, Japan
SOURCE: Journal of Virology (2007), 81(23), 12889-12896
CODEN: JOVIAM; ISSN: 0022-538X
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The establishment of effective therapeutic interventions for prion diseases is necessary. We report on a newly developed amyloidophilic compound that displays therapeutic efficacy when administered orally. This compound inhibited abnormal prion protein formation in prion-infected neuroblastoma cells in a prion strain-dependent manner: effectively for RML prion and marginally for 22L prion and Fukuoka-1 prion. When the highest dose (0.2% [wt/wt] in feed) was given orally to cerebrally RML prion-inoculated mice from inoculation until the terminal stage of disease, it extended the incubation periods by 2.3 times compared to the control. The compound exerted therapeutic efficacy in a prion strain-dependent manner such as that observed in the cell culture study; moat effective for RML prion, less effective for 22L prion or Fukuoka-1 prion, and marginally effective for 263K prion. Its effectiveness depended on an earlier start of administration. The glycoform pattern of the abnormal prion protein in the treated mice was modified and showed predominance of the diglycosylated form, which resembled that of 263K prion, suggesting that diglycosylated forms of abnormal prion protein might be least sensitive or resistant to the compound. The mechanism of the prion strain-dependent effectiveness needs to be elucidated and managed. Nevertheless, the identification of an orally available amyloidophilic chemical encourages the pursuit of chemotherapy for prion diseases.
IT 774237-10-4 774237-49-9 774237-60-4
1001853-76-2
RLA PAC (Pharmacological activity); PKT (Pharmacokinetics); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(orally administered amyloidophilic compds. are effective in prolonging the incubation periods of animals cerebrally infected with prion diseases in a prion strain-dependent manner)

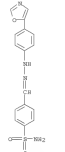
RN 774237-10-4 CAPLUS
CN Benzaldehyde, 4-[1-piperazinyl]-, 2-[4-[5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

PAGE 1-A

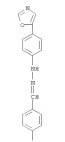


PAGE 2-A

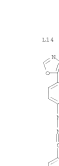
RN 774237-49-9 CAPLUS
CN Benzenesulfonamide, 4-[[2-[4-[5-oxazolyl)phenyl]hydrazinylidene]methyl]- (CA INDEX NAME)



RN 774237-60-4 CAPLUS
CN Benzaldehyde, 4-[(methylamino)methyl]-, 2-[4-[5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)



RN 1001853-76-2 CAPLUS
CN Benzaldehyde, 4-[hydroxymethyl]-, 2-[4-[5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)



OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (11 CITINGS)

REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2004:928909 CAPLUS
DOCUMENT NUMBER: 145:482541
TITLE: Synthesis, Photophysical, Photochemical, and Redox Properties of Nitrospiropyrans Substituted with Ru or Os Tris(bipyridine) Complexes
AUTHOR(S): Jukes, Ron T. F.; Rozsa, Biljana; Hartl, Frantisek; Belser, Peter; De Cola, Luisa
CORPORATE SOURCE: Van't Hoff Institute for Molecular Sciences, University of Amsterdam, Amsterdam, 1018 WS, Neth
SOURCE: Inorganic Chemistry (2004), 45(20), 8026-8041
CODEN: INOCAJ; ISSN: 0020-1669
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 145:482541
AB Photochromic nitrospiropyrans substituted with 2,2'-bipyridine (Bpy), [Ru(bpy)3]2+, and [Os(bpy)3]2+ groups were synthesized, and their photophys., photochem., and redox properties studied. Substitution of the spiropyran with the metal complex moiety results in strongly decreased efficiency of the ring-opening process as a result of energy transfer from the excited spiropyran to the metal center. The lowest excited triplet state of the spiropyran in its open merocyanine form is lower in energy than the excited triplet MLCT level of the [Ru(bpy)3]2+ moiety but higher in energy than for [Os(bpy)3]2+, resulting in energy transfer from the excited Ru center to the spiropyran but inversely in the Os case. The open merocyanines form reduces and oxidizes electrochem. more easily than the closed nitrospiropyran. Like photoexcitation, electrochem. activation also causes opening of the spiropyran ring by 1e reducing the closed form and subsequently reoxidizing the correspending radical anion in two well-resolved anodic steps. The substitution of the spiropyran with a Ru or Os metal center does not affect the efficiency of this electrochem. induced ring-opening process, different from the photochem. path.
IT 562090-19-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(for preparation of bipyridyl substituted nitrospiropyran)
RN 562090-19-5 CAPLUS
CN Methanone, diphenyl-, (4-[2,2'-bipyridin]-4-ylphenyl)hydrazone (9CI) (CA INDEX NAME)

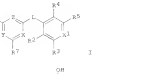
OS.CITING REF COUNT: 18 THERE ARE 18 CAPLUS RECORDS THAT CITE THIS RECORD (18 CITINGS)

REFERENCE COUNT: 83 THERE ARE 83 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2006:886413 CAPLUS
DOCUMENT NUMBER: 145:293108
TITLE: Preparation of methylenehydrazinotriazinediamine derivatives and related analogs as inhibitors of mTOR
INVENTOR(S): Rummenzone, Marc Geoffrey; Gomez, Sylvie; Mennar, Keith Allan; Cockcroft, Xiao-Ling Fan; Smith, Graeme Cameron Murray
PATENT ASSIGNEE(S): Kudos Pharmaceuticals Limited, UK
SOURCE: PCT Int. Appl., 80pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006090167	A2	20060831	WO 2006-GB50	20060224
WO 2006090167	A3	20070510		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
AU 2006217742	A1	20060831	AU 2006-217742	20060224
CA 2599320	A1	20060831	CA 2006-2599320	20060224
US 20060199904	A1	20060907	US 2006-361599	20060224
US 7504397	B2	20090317		
EP 1857389	A2	20071114	EP 2006-709896	20060224
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, EE				
JP 2008513437	T	20080501	JP 2007-554644	20060224
NO 2007004671	A	20070917	NO 2007-4671	20070907
ZA 2007006673	A	20080730	ZA 2007-6673	20070810
MX 2007010404	A	20080111	MX 2007-10404	20070824
CN 101128440	A	20080220	CN 2006-80006125	20070824
US 20100130473	A1	20100527	US 2007-817134	20070824
IN 2007DN06913	A	20070928	IN 2007-DN6913	20070906
KR 2007108936	A	20071113	KR 2007-7021675	20070921
PRIORITY APPLN. INFO.:			GB 2005-3942	A 20050225
			US 2005-654193P	P 20050225
			WO 2006-GB668	W 20060224

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): CASREACT 145:293108; MARPAT 145:293108
GI



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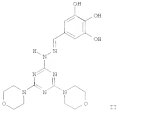
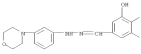


II

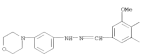
AB Title compds. I [R1 = H or Me; R2 and R4 independently = H, halo, OH, OMe;
R3 and R5 independently = halo, OH, OMe, H or alkyl; X1 = N, CH, C-OEt2R, etc.; X = N or CH; Y = N or CH, Z = N or CR8; R8 = H or when X and Y = N, R6 and R8 together form a (un)substituted fused aromatic ring; R6 = (un)substituted heterocycle; R7 = H, halo, (un)substituted heterocycle; L = C-NHR1 or C(NHR1)2; and their pharmaceutically acceptable salts, are prepared and disclosed as inhibitors of mTOR (mammalian target of rapamycin). Thus, e.g., II was prepared by subsequent substitutions of cyanuric chloride with morpholine, aniline and hydrazine hydrate followed
by condensation with 3,4,5-trihydroxybenzaldehyde. In mTOR enzyme activity assays, II exhibited an IC50 value less than 1.5 μM.

IT 902141-46-89 902141-47-99
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of methylenehydrazinotriazinediamine derivs. and related analogs as inhibitors of mTOR)

RN 902141-46-8 CAPLUS
CN Benzaldehyde, 3,4,5-trihydroxy-, 2-[3-(4-morpholinyl)phenyl]hydrazone (CA INDEX NAME)



RN 902141-47-9 CAPLUS
CN Benzaldehyde, 4-hydroxy-3,5-dimethoxy-, 2-[3-(4-morpholinyl)phenyl]hydrazone (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)

ACCESSION NUMBER: 2005:1177003 CAPLUS
DOCUMENT NUMBER: 143:402152
TITLE: Preparation of phenylpyrazole derivatives as herbicides
INVENTOR(S): Shimobarada, Hiroshi; Terakamoto, Masamitsu; Kikugawa, Hiroshi; Kitahara, Yoshinori
PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Ltd., Japan
SOURCE: U.S. Pat. Appl. Publ., 42 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20050245399	A1	20051103	US 2004-834028	20040429
PRIORITY APPLN. INFO.:			US 2004-834028	20040429

OTHER SOURCE(S): CASREACT 143:402152; MARPAT 143:402152
GI

I

AB The phenylpyrazole derivs. I [X, Y = halo, CN, NO2, (halo)alkyl or (halo)alkoxy; X1 = S or N; X2 = (halo)alkoxy; X3 = (halo)alkyl or X2; X4 = halo, CN, NO2, CN, COOEt, formyl, isocyanate, alkyl, alkenyl, alkyloxy, alkenyloxy, alkynyloxy, alkylthio, etc.; X5 = halo, CN, NO2, COOR, formyl, isocyanate, alkyl, alkenyl, alkynyl, alkenyloxycarbonyl, etc.] are prepared
as herbicides and defoliants.

IT 1058955-89-6
RL: PREP (Preparation)
(preparation of phenylpyrazole derivatives as herbicides)

RN 1058955-89-6 CAPLUS
CN Benzaldehyde, 2-[3-chloro-4-[4-chloro-5-(difluoromethoxy)-3-methyl-1H-pyrazol-1-yl]-5-fluoro-2-methoxyphenyl]hydrazone (CA INDEX NAME)

L14 ANSWER 16 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:212578 CAPLUS
DOCUMENT NUMBER: 142:269164
TITLE: Electrophotographic photoreceptors having excellent mechanical strength and electric properties
INVENTOR(S): Daichi, Atsushi; Kikuchi, Norihiro
PATENT ASSIGNEE(S): Canon Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 22 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
JP 2005062301	A	20050310	JP 2003-289711		20030808
PRIORITY APPLN. INFO.:			JP 2003-289711		20030808

OTHER SOURCE(S): MARPAT 142:269164

AB The photoreceptors have photoconductive surface layers containing chain-polymerized and -nonpolymerizable the 1st and the 2nd charge-transporting compds. A and B at A/B (weight) 100:(5.0-45.0). The 1st charge-transporting compds. may be P1aA(ZP2d)b (A = charge-transporting group; P1, P2 = chain-polymerizable functional group; a, b, d = 0, ≥1; a + b + d ≥1). The 2nd charge-transporting compds. may be triarylamines. The photoreceptors exhibit low ghost level initially and after prescribed durability test and excellent scratch resistance.

IT 845882-61-3P
RL: DEV (Device component use); IMF (Industrial manufacture); PREP (Preparation); USES (Uses)
(outermost layers, charge transporting materials; electrophotog. photoreceptors having cured charge-transporting outermost layers with good scratch resistance)

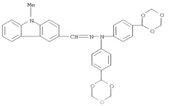
RN 845882-61-3 CAPLUS

CN 9H-Carbazole-3-carboxaldehyde, 9-methyl-, bis[4-(1,3,5-trioxan-2-yl)phenyl]hydrazone, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 845882-60-2
CMF C32 H29 N3 O6

L14 ANSWER 16 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

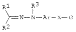


L14 ANSWER 17 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:857547 CAPLUS
DOCUMENT NUMBER: 141:350174
TITLE: Preparation of benzaldehyde or heterocycle carboxaldehyde hydrazone derivatives as inhibitors of agglutination and/or deposition of an amyloid protein or amyloid-like protein
INVENTOR(S): Kawagoe, Keiichi; Motoki, Kayoko; Odagiri, Takashi; Suzuki, Nobuyuki; Chen, Chun-Jen; Mimura, Tetsuya
PATENT ASSIGNEE(S): Daiichi Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 236 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2004087641	A1	20041014	WO 2004-JP4607		20040331
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
CA 2521056	A1	20041014	CA 2004-2521056		20040331
EP 1612204	A1	20060104	EP 2004-724752		20040331
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK					
US 20060276433	A1	20061207	US 2005-551414		20050930
PRIORITY APPLN. INFO.:			JP 2003-94257	A	20030331
			WO 2004-JP4607	W	20040331

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 141:350174
GI



I

AB Compds. represented by the general formula (I), salts thereof, or solvates of either [R1, R2 = H, alkyl, alkenyl, alkynyl, aralkyl, NH2, alkylamino, cyano, halo, haloalkyl, haloalkenyl, haloalkynyl, CO2H, alkoxycarbonyl, CONH2, N-alkylcarbamoyl, N,N-dialkylcarbamoyl, N-hydroxyalkylcarbamoyl, each (un)substituted aryl, (un)saturated 5- to 7-membered heterocyclyl, (un)saturated bi- or tricyclic condensed heterocyclyl, arylalkenyl, (un)saturated

L14 ANSWER 17 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

heterocyclylalkenyl, or (un)satd. bi- or tricyclic condensed heterocyclylalkenyl;R3 = H, (un)substituted alkyl, acyl, alkoxycarbonyl; Ar = a divalent group derived from arom. hydrocarbon, (un)satd. 5- to 7-membered heterocyclic group, or (un)satd. bi- or tricyclic condensed heterocyclic group; X = a single bond, a single bond, each (un)substituted linear or branched C1-3 alkylene, C1-3 alkenylene, or C1-3 alkynylene, CO; G = halo, haloalkyl, haloalkenyl, haloalkynyl, alkoxy, alkoxycarbonyl, N-alkylamino, N,N-dialkylamino, each (un)substituted (un)satd. bi- or tricyclic condensed hydrocarbyl, (un)satd. 5- to 7-membered heterocyclyl, or (un)satd. bi- or tricyclic heterocyclyl] are prepd. Also disclosed is (1) an agent for inhibiting the agglutination and/or deposition of an amyloid protein or amyloid-like protein or (2) a preventive and/or remedy for conformational diseases or diseases caused by amyloid accumulation, which contains the compd. I, its salt, or solvate thereof. In particular, disclosed is a preventive and/or remedy for Alzheimer's disease, Down's syndrome, Creutzfeldt-Jakob disease, type II diabetes, dialysis amyloidosis, AA amyloidosis, Gerstmann-Straussler-Scheinker (GSS) syndrome, Muckle-Wells syndrome, localized atrial amyloidosis, thyroid medullary carcinoma, skin amyloidosis, localized tuberous amyloidosis, AL amyloidosis, AH amyloidosis, familial Mediterranean fever, Parkinson's disease, tauopathy, ALS, or CAG repeat disease. A radiodiagnostic agent contg. radionuclide-labeled, in particular radioactive iodine-labeled compd. I is also disclosed. Thus, 1.0 g 4-(oxazol-5-yl)phenylhydrazine and 0.61 g 4-pyridinecarboxaldehyde were heated in ethanol at reflux overnight to give, after recrystn. from ethanol, 1.03 g 4-pyridinecarboxaldehyde N-[4-(oxazol-5-yl)phenyl]hydrazone (II). II inhibited the formation of amyloid from amyloid β protein with IC50 of 2.94 μM vs. 0.87 and 3.23 μM for Cogo Red and 2-(1,1-dicyanopropen-2-yl)-6-dimethylaminonaphthalene (DDNP), resp.

IT 774236-96-3P 774237-62-6P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of benzaldehyde or heterocycle carboxaldehyde hydrazone derivs. as inhibitors of agglutination and/or deposition of amyloid protein or amyloid-like protein)

RN 774236-96-3 CAPLUS

CN Benzoic acid, 4-[[2-[4-(5-oxazolyl)phenyl]hydrazinylidene]methyl]- (CA INDEX NAME)

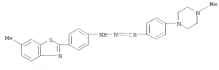
RN 774237-62-6 CAPLUS
CN Benzaldehyde, 3-iodo-4-[(methylamino)methyl]-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

IT 774236-74-7P 774236-80-5P 774236-81-6P
774236-84-9P 774236-85-0P 774236-86-1P
774236-87-2P 774236-88-3P 774236-89-4P
774236-90-7P 774236-94-1P 774236-97-4P
774237-05-7P 774237-06-8P 774237-07-9P
774237-08-0P 774237-09-1P 774237-10-4P
774237-11-5P 774237-12-6P 774237-13-7P
774237-14-8P 774237-15-9P 774237-16-0P
774237-17-1P 774237-18-2P 774237-19-3P

774237-20-4P 774237-21-7P 774237-22-8P
774237-23-9P 774237-24-0P 774237-25-1P
774237-30-8P 774237-31-9P 774237-32-0P
774237-33-1P 774237-39-7P 774237-40-0P
774237-41-1P 774237-42-2P 774237-43-3P
774237-47-7P 774237-48-8P 774237-49-9P
774237-50-2P 774237-51-3P 774237-52-4P
774237-53-5P 774237-54-6P 774237-55-7P
774237-56-8P 774237-57-9P 774237-58-0P
774237-59-1P 774237-60-4P 774237-61-5P
774237-72-9P 774237-73-0P 774237-76-3P
774237-82-0P 774237-83-1P 774237-88-6P
774237-89-7P 774238-00-5P 774238-01-6P
774238-02-7P 774238-07-2P 774238-08-3P
774238-09-4P 774238-06-1P 774238-07-2P
774238-11-9P 774238-13-0P 774238-14-1P
774238-15-2P 774238-16-3P 774238-17-4P
774238-18-5P 774238-19-6P 774238-20-9P
774238-21-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of benzaldehyde or heterocycle carboxaldehyde hydrazone derivs. as inhibitors of aggregation and/or deposition of amyloid protein or amyloid-like protein)

RN 774236-74-7 CAPLUS
CN Benzaldehyde, 4-(4-methyl-1-piperazinyl)-, 2-[4-(4-methyl-2-benzothiazolyl)phenyl]hydrazone (CA INDEX NAME)

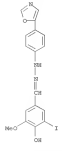


RN 774236-80-5 CAPLUS
CN Methanone, phenyl-4-pyridinyl-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

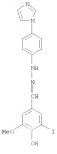
RN 774236-81-6 CAPLUS
CN Benzaldehyde, 4-(dimethylamino)-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

RN 774236-84-9 CAPLUS
CN Benzaldehyde, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

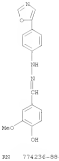
RN 774236-85-0 CAPLUS
CN Benzaldehyde, 4-hydroxy-3-iodo-5-methoxy-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)



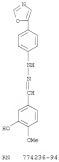
RN 774236-86-1 CAPLUS
CN Benzaldehyde, 4-hydroxy-3-iodo-5-methoxy-, 2-[4-(1H-imidazol-1-yl)phenyl]hydrazone (CA INDEX NAME)



RN 774236-83-2 CAPLUS
CN Benzaldehyde, 4-hydroxy-3-methoxy-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

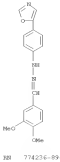


RN 774236-88-7 CAPLUS
CN Benzaldehyde, 3,4-dimethoxy-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

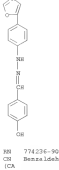


RN 774236-94-3 CAPLUS
CN Benzaldehyde, 4-[(2-hydroxyethyl)methylamino]-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

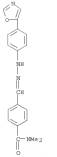
RN 774236-97-4 CAPLUS
CN Benzamide, N,N-dimethyl-4-[[2-[4-(5-oxazolyl)phenyl]hydrazinylidene]methyl]- (CA INDEX NAME)



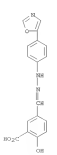
RN 774236-89-4 CAPLUS
CN Benzaldehyde, 4-hydroxy-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)



RN 774236-90-7 CAPLUS
CN Benzaldehyde, 3-hydroxy-4-methoxy-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)



RN 774237-05-7 CAPLUS
CN Benzoic acid, 2-hydroxy-5-[[2-[4-(5-oxazolyl)phenyl]hydrazinylidene]methyl]- (CA INDEX NAME)



RN 774237-06-8 CAPLUS
CN Benzaldehyde, 4-[[2-fluoroethyl)methylamino]-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

RN 774237-07-9 CAPLUS
CN Benzaldehyde, 4-[(dimethylamino)methyl]-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

RN 774237-08-0 CAPLUS
CN Benzaldehyde, 4-[(4-methyl-1-piperazinyl)-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

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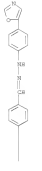

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RN 774237-10-4 CAPLUS
CN Benzaldehyde, 4-(2-pyrazinyl)-, 2-(4-(5-oxazolyl)phenyl)hydrazone (CA INDEX NAME)

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RN 774237-09-1 CAPLUS
CN 1-Piperazinecarboxylic acid, 4, [4-[[2-[4-(5-oxazolyl)phenyl]hydrazinylidene]methyl]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

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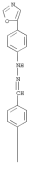

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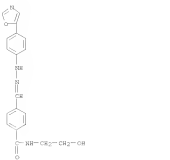
RN 774237-11-5 CAPLUS
CN Benzamide, N-(2-hydroxyethyl)-4-[[2-[4-(5-oxazolyl)phenyl]hydrazinylidene]methyl]- (CA INDEX NAME)



RN 774237-12-6 CAPLUS
CN Benzaldehyde, 4-[4-morpholinylmethyl]-, 2-[4-[5-oxazolyl]phenyl]hydrazone (CA INDEX NAME)

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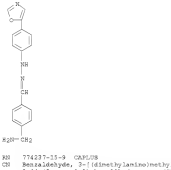
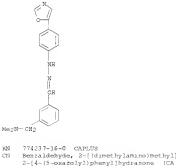


RN 774237-15-9 CAPLUS
CN Benzaldehyde, 3-[(dimethylamino)methyl]-, 2-[4-[5-oxazolyl]phenyl]hydrazone (CA INDEX NAME)



RN 774237-16-0 CAPLUS
CN Benzaldehyde, 2-[(dimethylamino)methyl]-, 2-[4-[5-oxazolyl]phenyl]hydrazone (CA INDEX NAME)

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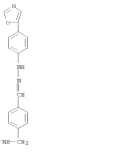
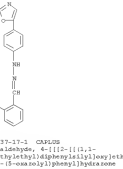
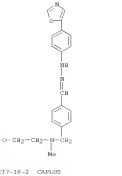
RN 774237-13-7 CAPLUS
CN Carbamic acid, [[4-[[[4-[5-oxazolyl]phenyl]hydrazono]methyl]phenyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



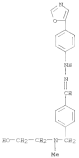
RN 774237-14-8 CAPLUS
CN Benzaldehyde, 4-[aminomethyl]-, 2-[4-[5-oxazolyl]phenyl]hydrazone (CA INDEX NAME)



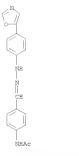
RN 774237-17-1 CAPLUS
CN Benzaldehyde, 4-[[2-[[1,1-dimethylethyl]diphenylsilyl]oxy]ethyl]methylamino]methyl]-, 2-[4-[5-oxazolyl]phenyl]hydrazone (CA INDEX NAME)



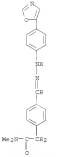
RN 774237-18-2 CAPLUS
CN Benzaldehyde, 4-[[2-hydroxyethyl]methylamino]methyl]-, 2-[4-[5-oxazolyl]phenyl]hydrazone (CA INDEX NAME)



RN 774237-19-3 CAPLUS
CN Acetamide,
N-[4-[[2-[4-(5-oxazolyl)phenyl]hydrazinylidene]methyl]phenyl]-
(CA INDEX NAME)



RN 774237-20-6 CAPLUS
CN Benzaldehyde, 4-[[[2-fluoroethyl]methylamino]methyl]-,
2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)



RN 774237-23-9 CAPLUS
CN Benzaldehyde, 4-[[4-methyl-1-piperazinyl)carbonyl]-,
1-[2-[4-(5-oxazolyl)phenyl]hydrazone] (CA INDEX NAME)

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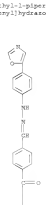
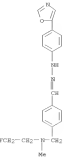
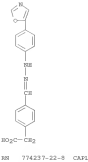




RN 774237-21-7 CAPLUS
CN Benzeneacetic acid, 4-[[2-[4-(5-oxazolyl)phenyl]hydrazinylidene]methyl]-
(CA INDEX NAME)



RN 774237-22-8 CAPLUS
CN Benzeneacetamide, N,N-dimethyl-4-[[2-[4-(5-
oxazolyl)phenyl]hydrazinylidene]methyl]- (CA INDEX NAME)

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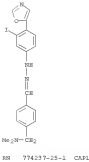
RN 774237-24-0 CAPLUS
CN Benzaldehyde, 4-[(dimethylamino)methyl]-,
2-[3-iodo-4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)



RN 774237-25-1 CAPLUS
CN Benzaldehyde, 4-[(4-methyl-1-piperazinyl)-,
2-[3-iodo-4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

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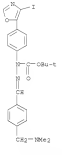
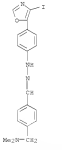
RN 774237-30-8 CAPLUS
CN Benzaldehyde, 4-[(dimethylamino)methyl]-3-iodo-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)



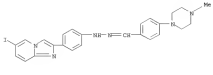
RN 774237-32-3 CAPLUS
CN Benzaldehyde, 4-[(dimethylamino)methyl]-, 2-[4-(4-iodo-5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)



RN 774237-39-7 CAPLUS
CN Benzaldehyde, 4-(4-methyl-1-piperazinyl)-, 2-(4-(6-iodoimidazo[1,2-a]pyridin-2-yl)phenyl)hydrazone (CA INDEX NAME)

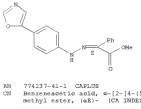
RN 774237-31-9 CAPLUS
CN Hydrazinecarboxylic acid, 2-[[4-[(dimethylamino)methyl]phenyl]methylene]-1-[4-(5-oxazolyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

RN 774237-32-0 CAPLUS
CN Hydrazinecarboxylic acid, 2-[[4-[(dimethylamino)methyl]phenyl]methylene]-1-[4-(4-iodo-5-oxazolyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



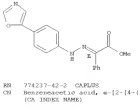
RN 774237-40-0 CAPLUS
CN Benzeneacetic acid, α-[2-[4-(5-oxazolyl)phenyl]hydrazinylidene]-, methyl ester, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



RN 774237-41-1 CAPLUS
CN Benzeneacetic acid, α-[2-[4-(5-oxazolyl)phenyl]hydrazinylidene]-, methyl ester, (αE)- (CA INDEX NAME)

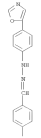
Double bond geometry as shown.



RN 774237-42-2 CAPLUS
CN Benzeneacetic acid, α-[2-[4-(5-oxazolyl)phenyl]hydrazinylidene]- (CA INDEX NAME)

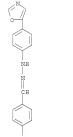
RN 774237-43-3 CAPLUS
CN Benzeneacetamide, N,N-dimethyl-a-[2-[4-[5-oxazolyl]phenyl]hydrazinylidene]- (CA INDEX NAME)

RN 774237-47-7 CAPLUS
CN Benzaldehyde, 4-fluoro-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

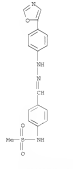


RN 774237-48-8 CAPLUS
CN Benzaldehyde, 4-amino-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

RN 774237-49-9 CAPLUS
CN Benzenesulfonamide, 4-[[2-[4-(5-oxazolyl)phenyl]hydrazinylidene]methyl]- (CA INDEX NAME)



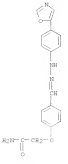
RN 774237-50-2 CAPLUS
CN Methanesulfonamide, N-[4-[[2-[4-[5-oxazolyl]phenyl]hydrazinylidene]methyl]phenyl]- (CA INDEX NAME)



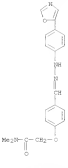
RN 774237-51-3 CAPLUS
CN Sulfamide, N,N-dimethyl-N'-[4-[[2-[4-[5-oxazolyl]phenyl]hydrazinylidene]methyl]phenyl]- (CA INDEX NAME)

RN 774237-52-4 CAPLUS
CN Benzaldehyde, 4-[2-(dimethylamino)ethoxy]-, 2-[4-[5-oxazolyl]phenyl]hydrazone (CA INDEX NAME)

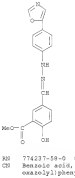
RN 774237-53-5 CAPLUS
CN Acetamide, 2-[4-[[2-[4-[5-oxazolyl]phenyl]hydrazinylidene]methyl]phenoxy]- (CA INDEX NAME)



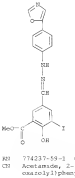
RN 774237-54-6 CAPLUS
CN Acetamide, N,N-dimethyl-2-[4-[[2-[4-[5-oxazolyl]phenyl]hydrazinylidene]methyl]phenoxy]- (CA INDEX NAME)



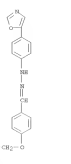
RN 774237-55-7 CAPLUS
CN Acetic acid, 2-[4-[[2-[4-[5-oxazolyl]phenyl]hydrazinylidene]methyl]phenoxy]-, 1,1-dimethylethyl ester
(CA INDEX NAME)



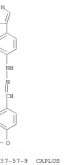
RN 774237-58-0 CAPLUS
CN Benzoic acid, 2-hydroxy-3-iodo-5-[[2-[4-[5-oxazolyl]phenyl]hydrazinylidene]methyl]-, methyl ester (CA INDEX NAME)



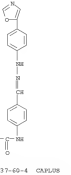
RN 774237-59-1 CAPLUS
CN Acetamide, 2-(dimethylamino)-N-[4-[[2-[4-[5-oxazolyl]phenyl]hydrazinylidene]methyl]phenyl]- (CA INDEX NAME)



RN 774237-56-8 CAPLUS
CN Acetic acid, 2-[4-[[2-[4-[5-oxazolyl]phenyl]hydrazinylidene]methyl]phenoxy]- (CA INDEX NAME)



RN 774237-57-9 CAPLUS
CN Benzoic acid, 2-hydroxy-5-[[2-[4-[5-oxazolyl]phenyl]hydrazinylidene]methyl]-, methyl ester (CA INDEX NAME)



RN 774237-60-4 CAPLUS
CN Benzaldehyde, 4-[(methylamino)methyl]-, 2-[4-[5-oxazolyl]phenyl]hydrazone
(CA INDEX NAME)

RN 774237-61-5 CAPLUS
CN Benzaldehyde, 3-iodo-4-[1-piperazinyl]-, 2-[4-[5-oxazolyl]phenyl]hydrazone
(CA INDEX NAME)

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RN 774237-72-8 CAPLUS
CN Benzaldehyde, 4-[3-aminoethyl]-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

RN 774237-73-9 CAPLUS
CN Benzoic acid, 2-hydroxy-3-iodo-5-[[2-[4-(5-oxazolyl)phenyl]hydrazinylidene]methyl]- (CA INDEX NAME)

RN 774237-76-2 CAPLUS
CN Benzaldehyde, 4-[4-[dimethylamino)-1-piperidinyl]-3-iodo-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

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RN 774237-82-0 CAPLUS
CN Benzeneacetonitrile, a-[2-[4-(5-oxazolyl)phenyl]hydrazinylidene]- (CA INDEX NAME)

RN 774237-83-1 CAPLUS
CN Benzenecarboximidic acid, 2-[4-(5-oxazolyl)phenyl]hydrazide (CA INDEX NAME)

RN 774237-88-6 CAPLUS
CN Benzaldehyde, 4-[1-piperazinyl]-, 2-[3-iodo-4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

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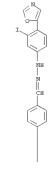
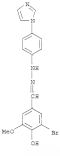


RN 774237-89-7 CAPLUS
CN Benzaldehyde, 4-[(methylamino)methyl]-,
2-[2-iodo-4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

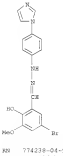
RN 774238-00-5 CAPLUS
CN Benzaldehyde, 4-hydroxy-3-methoxy-,
2-[4-(1H-imidazol-1-yl)phenyl]hydrazone (CA INDEX NAME)

RN 774238-01-6 CAPLUS
CN Benzaldehyde, 3-iodo-4,5-dimethoxy-,
2-[4-(1H-imidazol-1-yl)phenyl]hydrazone (CA INDEX NAME)

RN 774238-02-7 CAPLUS
CN Benzaldehyde, 3-bromo-4-hydroxy-5-methoxy-,
2-[4-(1H-imidazol-1-yl)phenyl]hydrazone (CA INDEX NAME)

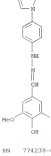


RN 774238-03-8 CAPLUS
CN Benzaldehyde, 5-bromo-2-hydroxy-3-methoxy-,
2-[4-(1H-imidazol-1-yl)phenyl]hydrazone (CA INDEX NAME)

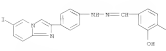


RN 774238-04-9 CAPLUS
CN Benzaldehyde, 3-bromo-5-methoxy-,
2-[4-(1H-imidazol-1-yl)phenyl]hydrazone
(CA INDEX NAME)

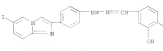
RN 774238-05-0 CAPLUS
CN Benzaldehyde, 4-hydroxy-3,5-dimethoxy-,
2-[4-(1H-imidazol-1-yl)phenyl]hydrazone (CA INDEX NAME)



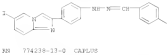
RN 774238-06-1 CAPLUS
CN Benzaldehyde, 3,4-dihydroxy-, 2-[4-(6-iodoimidazo[1,2-a]pyridin-2-yl)phenyl]hydrazone (CA INDEX NAME)



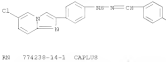
RN 774238-07-2 CAPLUS
CN Benzoic acid, 2-hydroxy-4-[[2-[4-(6-iodoimidazo[1,2-a]pyridin-2-yl)phenyl]hydrazinylidene]methyl]- (CA INDEX NAME)



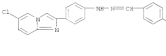
RN 774238-12-9 CAPLUS
CN Benzaldehyde, 4-[(methylamino)methyl]-, 2-[4-(6-iodoimidazo[1,2-a]pyridin-2-yl)phenyl]hydrazone (CA INDEX NAME)

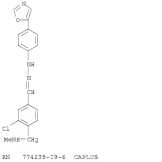


RN 774238-13-0 CAPLUS
CN Benzaldehyde, 4-(1-aminoethyl)-, 2-[4-(6-chloroimidazo[1,2-a]pyridin-2-yl)phenyl]hydrazone (CA INDEX NAME)

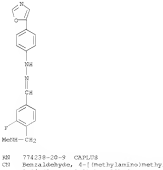


RN 774238-14-1 CAPLUS
CN Benzaldehyde, 4-[(methylamino)methyl]-, 2-[4-(6-chloroimidazo[1,2-a]pyridin-2-yl)phenyl]hydrazone (CA INDEX NAME)





RN 774238-19-6 CAPLUS
CN Benzaldehyde, 3-fluoro-4-[(methylamino)methyl]-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

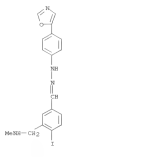


RN 774238-20-9 CAPLUS
CN Benzaldehyde, 4-[(methylamino)methyl]-3-(trimethylstannyl)-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)

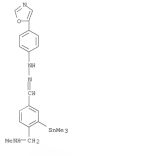
RN 774238-15-2 CAPLUS
CN Benzaldehyde, 4-iodo-, 2-[4-(3-pyridinyl)phenyl]hydrazone (CA INDEX NAME)

RN 774238-16-3 CAPLUS
CN Benzaldehyde, 3-iodo-4-[(methylamino)methyl]-, 2-[4-(3-pyridinyl)phenyl]hydrazone (CA INDEX NAME)

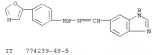
RN 774238-17-4 CAPLUS
CN Benzaldehyde, 4-iodo-3-[(methylamino)methyl]-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)



RN 774238-18-5 CAPLUS
CN Benzaldehyde, 3-chloro-4-[(methylamino)methyl]-, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)



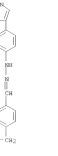
RN 774238-21-0 CAPLUS
CN 1H-Benzimidazole-6-carboxaldehyde, 2-[4-(5-oxazolyl)phenyl]hydrazone (CA INDEX NAME)



IT 774239-49-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of benzaldehyde or heterocycle carboxaldehyde hydrazone derivs. as inhibitors of agglutination and/or deposition of amyloid protein or amyloid-like protein)
RN 774239-49-5 CAPLUS
CN Acetanilide, 2,2,2-trifluoro-N-methyl-N-[[4-[[2-[4-(5-oxazolyl)phenyl]hydrazinylidene]methyl]-2-(trimethylstannyl)phenyl]methyl]- (CA INDEX NAME)

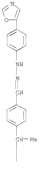
IT 774238-91-4P 774238-95-8P 774239-12-2P
774239-22-4P 774239-38-2P 774239-43-3P
774239-57-5P 774239-58-6P 774239-63-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of benzaldehyde or heterocycle carboxaldehyde hydrazone deriva.
as inhibitors of agglutination and/or deposition of amyloid protein or amyloid-like protein)

RN 774238-91-4 CAPLUS
CN Carbamic acid, methyl[[4-[[[4-[5-oxazolyl]phenyl]hydrazono]methyl]phenyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



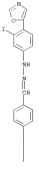
RN 774238-95-8 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-[2-iodo-4-[[2-[4-(5-oxazolyl)phenyl]hydrazinylidene]methyl]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

RN 774239-12-2 CAPLUS
CN Imidodicarbonic acid, 2-[1-[4-[[2-(4-[5-oxazolyl]phenyl]hydrazinylidene]methyl]phenyl]ethyl]-, 1,3-bis(1,1-dimethylethyl) ester (CA INDEX NAME)

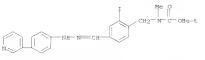


RN 774239-22-4 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-[4-[[2-(3-iodo-4-[5-

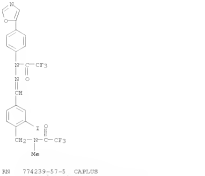
oxazolyl]phenyl]hydrazinylidene]methyl]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



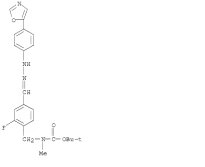
RN 774239-38-2 CAPLUS
CN Carbamic acid, [[2-iodo-4-[[[4-[3-pyridinyl]phenyl]hydrazono]methyl]phenyl]methyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



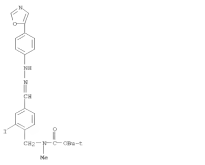
RN 774239-47-3 CAPLUS
CN Acetic acid, 2,2,2-trifluoro-, 2-[[3-iodo-4-[(methyl{2,2,2-trifluoroacetyl}amino)methyl]phenyl]methylene]-1-[4-(5-oxazolyl)phenyl]hydrazide (CA INDEX NAME)



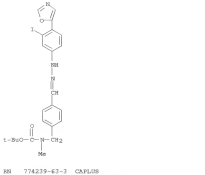
RN 774239-57-5 CAPLUS
CN Carbamic acid, [[2-iodo-4-[[[4-(5-oxazolyl)phenyl]hydrazono]methyl]phenyl]methyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



08 CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



RN 774239-59-7 CAPLUS
CN Carbamic acid, [[4-[[[3-iodo-4-[5-oxazolyl]phenyl]hydrazono]methyl]phenyl]methyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

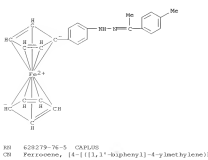


RN 774239-63-3 CAPLUS
CN Carbamic acid, [[2-fluoro-4-[[[4-(5-oxazolyl)phenyl]hydrazono]methyl]phenyl]methyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

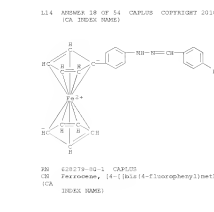
ACCESSION NUMBER: 2003:945539 CAPLUS
DOCUMENT NUMBER: 140:10705
TITLE: Optical disks capable of high-density recording/readout with blue lasers and anisotherefor
INVENTOR(S): Ishida, Tsutomu; Shiozaki, Hiroyuki; Ogiso, Akira; Koike, Masashi
PATENT ASSIGNEE(S): Mitsui Chemicals Inc., Japan; Yanamoto Chemicals Inc.
SOURCE: Jpn. Kokai Tokkyo Koho, 66 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003342487	A	20031203	JP 2002-153756	20020528
PRIORITY APPLN. INFO.:			JP 2002-153756	20020528

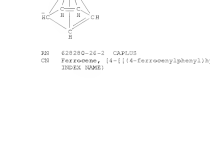
OTHER SOURCE(S): MARPAT 140:10705
AB The disks have ≥1 recording layers containing AlNHX1iX2A2 [A1, A2 = aryl, metallocenyl; A1 and/or A2 = metallocenylaryl); X1, X2 = N, methine] as recording dyes. The disks show good weather and heat moisture resistance.
IT 628279-73-2 628279-74-5 628279-80-1 628280-26-2
RL: TEM (Technical or engineered material use); USES (Uses) (optical disks containing metallocenyl(aryl)amine dyes for high-d. recording/readout with blue lasers)
RN 628279-73-2 CAPLUS
CN Ferrocene, [4-[[1-(4-methylphenyl)ethylidene]hydrazine]phenyl]- (9CI) (CA INDEX NAME)



RN 628279-74-5 CAPLUS
CN Ferrocene, [4-[[[1,1'-biphenyl]-4-ylmethylene]hydrazino]phenyl]- (9CI)



RN 628279-92-1 CAPLUS
CN Ferrocene, [4-[[bis[4-fluorophenyl]methylene]hydrazinolphenyl]- (9CI) (CA INDEX NAME)



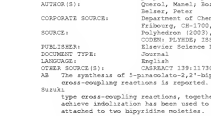
RN 628280-26-2 CAPLUS
CN Ferrocene, [4-[[(4-ferrocenylphenyl)hydrazono]methyl]phenyl]- (9CI) (CA INDEX NAME)

ACCESSION NUMBER: 2003:126243 CAPLUS
DOCUMENT NUMBER: 139:117301
TITLE: Synthesis, metal complex formation, and switching properties of spiropyrans linked to chelating sites
AUTHOR(S): Queral, Manel; Bozzo, Biljana; Salluce, Nunzio; Belaz, Peter
CORPORATE SOURCE: Department of Chemistry, University of Fribourg, Fribourg, CH-1700, Switz.
SOURCE: Polyhedron (2003), 22(5), 655-664
CODEN: PLYHDE; ISSN: 0277-5387
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 139:117301

AB The synthesis of 1-pyranolato-2,2'-bipyridine and its applicability in cross-coupling reactions is reported. The use of this framework in Suzuki type cross-coupling reactions, together with a recently published way to achieve indolization has been used to synthesize new spiropyran systems attached to two bipyridine moieties. The indolization method followed, is based on an in situ' hydrolysis/Fischer cyclization protocol reported by Buchwald and co-workers. The synthesis of a new phenanthroline based spirooxazine attached to a bipyridine moiety is also reported. One of the spiropyran system was used as a ligand to form a ruthenium metal complex. Their photophys. properties were tested with respect to the application as sensitizer in functionalized, wire-type bridging ligands in heteronuclear metal complexes.

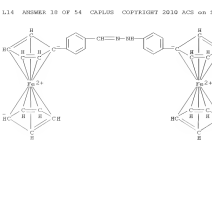
IT 562098-33-2
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of spiropyrans and spirooxazine compound via Suzuki cross-coupling reactions and their ruthenium complex formation and irradiation-induced switching behavior)

RN 562098-33-2 CAPLUS
CN Methanone, diphenyl-, (4-[2,2'-bipyridin]-4-ylphenyl)hydrazone (9CI) (CA INDEX NAME)



OS.CITING REF COUNT: 28 THERE ARE 28 CAPLUS RECORDS THAT CITE THIS RECORD (28 CITINGS)

REFERENCE COUNT: 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



ACCESSION NUMBER: 2001:923906 CAPLUS
DOCUMENT NUMBER: 136:45519
TITLE: Preparation of arylhydrazines and substituted indoles from aromatic compounds and hydrazones.
INVENTOR(S): Hicks, Frederick; Gou, Da-Ming; Marchess, Salvatore Anthony; Hartel, Lawrence J.; Necula, Alina; Benetti, Richard E.; Silva, Richard A.
PATENT ASSIGNEE(S): Rhodia Chirex Inc., USA
SOURCE: U.S., 10 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6489512	B1	20021203	US 2002-177781	20020621
CA 2489375	A1	20031231	CA 2003-2489375	20030620
WO 2004000218	A2	20031231	WO 2003-US19425	20030620
WO 2004000218	A3	20040325		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

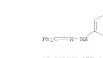
AU 2003243672	A1	20040106	AU 2003-243672	20030620
EP 1515945	A2	20050323	EP 2003-761156	20030620
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
CN 1662485	A	20050831	CN 2003-814734	20030620
JP 2005530844	T	20051013	JP 2004-515981	20030620

PRIORITY APPLN. INFO.: US 2002-177781 A 20020621
WO 2003-US19425 W 20030620

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSDB DISPLAY FORMAT
OTHER SOURCE(S): CASREACT 136:4519

AB Arylhydrazines were prepared by (a) reacting a substrate aromatic compound bearing an activated C atom and a hydrazone in the presence of a transition metal catalyst to form an aryl hydrazone having a new C-N bond between the activated C of the substrate aromatic compound and a N atom of the hydrazone, and (b) hydrolyzing the aryl hydrazone. Thus, Pd(OAc)2, 2-dicyclohexylphosphino-2'-(N,N-dimethylamino)biphenyl, Na tert-butoxide, 4-(1-aza-1-methylcyclohex-3-en-4-yl)-1-chlorobenzene (preparation given), and benzophenone hydrazone were heated in PhMe at 80° for 20 h to give 76% 4-(1-aza-1-methylcyclohex-3-en-4-yl)phenyl benzophenone hydrazone. The latter was heated with ethanolic HCl at 100° for 25 min to give 93.6% 4-(1-aza-1-methylcyclohex-3-en-4-yl)phenylhydrazine hydrochloride. This in H2O/EtOH was treated with 4-(N,N-dimethylaminoethyl)a di-Me acetal then with CF3CO2H followed by

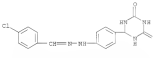
L14 ANSWER 20 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
stirring for 6 h at 55° to give 5-(1-aza-1-methylcyclohex-3-en-4-yl)-3-(2-dimethylaminoethyl)-1H-indole hydrochloride.
IT 477253-53-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of arylhydrazines and substituted indoles from aromatic compds. and hydrazones)
RN 477253-53-9 CAPLUS
CN Methanone, diphenyl-, [4-[1,2,3,6-tetrahydro-1-methyl-4-pyridinyl]phenyl]hydrazone (9CI) (CA INDEX NAME)



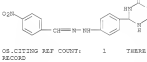
OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD
(4 CITINGS)
REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 21 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

RN 429692-14-8 CAPLUS
CN Benzaldehyde, 4-chloro-, 2-[4-(hexahydro-4,6-dioxo-1,3,5-triazin-2-yl)phenyl]hydrazone (CA INDEX NAME)



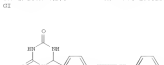
RN 429692-15-9 CAPLUS
CN Benzaldehyde, 4-nitro-, 2-[4-(hexahydro-4,6-dioxo-1,3,5-triazin-2-yl)phenyl]hydrazone (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 23 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2002:585557 CAPLUS
DOCUMENT NUMBER: 138:255201
TITLE: Reaction Products of 5-Azauracil with Nucleophiles and Aromatic C-Nucleophiles
AUTHOR(S): Azev, Yu. A.; Shorshnev, S. V.; Gabel, D.
CORPORATE SOURCE: Ural Research Institute of Medicinal Preparation Technology, Yekaterinburg, Russia
SOURCE: Pharmaceutical Chemistry Journal (Translation of Khimiko-Farmatsevticheskii Zhurnal) (2002), 36(3), 146-150
CODEN: PCJOXQ; ISSN: 0091-150X
PUBLISHER: Kluwer Academic/Consultants Bureau
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 138:255201
GI

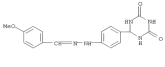
I



II

III

AB Reactions of 5-azauracil with malonamide, 1,2-benzenediamine, 1,2,3-benzenetriol, resorcinol, phenylhydrazones, indoles, and pyrazolones were studied. Products such as I, II, and III were obtained.
IT 429692-13-7P 429692-14-8P 429692-15-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(reaction products of 5-azauracil with malonamide and aromatic C-nucleophiles)
RN 429692-13-7 CAPLUS
CN Benzaldehyde, 4-methoxy-, 2-[4-(hexahydro-4,6-dioxo-1,3,5-triazin-2-yl)phenyl]hydrazone (CA INDEX NAME)



L14 ANSWER 22 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2002:202284 CAPLUS
DOCUMENT NUMBER: 136:401730
TITLE: Stable σ-adducts of 5-azauracil with C-nucleophiles
AUTHOR(S): Azev, Yurii A.; Shorshnev, Sergei V.; Gabel, Detlef
CORPORATE SOURCE: Ural Scientific Research Institute of Technology of Medical Preparations, Yekaterinburg, 620219, Russia
SOURCE: Mendeleev Communications (2002), (6), 234-235
CODEN: MENCEX; ISSN: 0959-9436
PUBLISHER: Russian Academy of Sciences
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 136:401730
GI

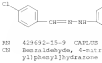
I

AB The heating of 5-azauracil with malonamide in butanol resulted in 6-(dicarbamoylmethyl)triazinedione I [R = (NHCO)2CH]. Under conditions of acid catalysis, 5-azauracil reacted with o-phenylenediamine, pyrogallol, resorcinol, and phenylhydrazine deriv. to form the corresponding 6-derivs. of I.
IT 429692-13-7P 429692-14-8P 429692-15-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of stable σ-adducts of 5-azauracil with C-nucleophiles)
RN 429692-13-7 CAPLUS
CN Benzaldehyde, 4-methoxy-, 2-[4-(hexahydro-4,6-dioxo-1,3,5-triazin-2-yl)phenyl]hydrazone (CA INDEX NAME)

RN 429692-14-8 CAPLUS
CN Benzaldehyde, 4-chloro-, 2-[4-(hexahydro-4,6-dioxo-1,3,5-triazin-2-yl)phenyl]hydrazone (CA INDEX NAME)

L14 ANSWER 22 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

RN 429692-25-9 CAPLUS
CN Benzaldehyde, 4-nitro-, 2-[4-(hexahydro-4,6-dioxo-1,3,5-triazin-2-yl)phenyl]hydrazone (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 23 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2002:182282 CAPLUS
DOCUMENT NUMBER: 136:232317
TITLE: Preparation of heterocyclylbenzenes as herbicides and defoliants.
INVENTOR(S): Gupta, Sandeep; Wu, Shao-Yong; Tsukamoto, Masamitsu; Fulman, David A.; Ying, Bai-Ping
PATENT ASSIGNEE(S): ISK America Incorporated, USA
SOURCE: U.S., 74 pp., Cont.-in-part of U.S. Ser. No. 958,313.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6355799	B1	20020312	US 2000-539373	20000327
WO 9921837	A1	19990506	WO 1998-US17197	19980821
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CN 1673219	A	20050928	CN 2005-10062898	19980821
CN 1698274	A	20051012	CN 2005-10065171	19980821
US 39590	E1	20070424	US 2000-737936	20000417
US 20020137907	A1	20020919	US 2001-970149	20010516
US 6545161	B2	20030408		
PRIORITY APPLN. INFO.:			US 1997-958313	A2 19971027
			WO 1998-US17197	W 19980821
			CN 1998-812711	A3 19980821
			US 2000-539373	A 20000327

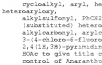
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSSD DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 136:232317
GI

AB Title compds. [I; X = H, halo, NO2, amino, NHR, NR2, amido, thioamido, cyano, alkylcarbonyl, alkoxycarbonyl, alkylsulfonamido, (substituted) alkyl, haloalkyl, alkoxy, haloalkoxy, alkoxycarbonyloxy, PhCH2O, aryloxy,

L14 ANSWER 23 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
heteroaryloxy; Y = H, halo, NO2; W = H, OR, SR, NHR, NR2, CH2R, CHR2, CR3, halo, NO2, cyano; R = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl, alkoxy, cycloalkoxy, aryloxy, heteroaryloxy, alkylsulfonyl, PhCH2, alkylcarbonyl, aryloxycarbonyl, etc.; Q = (substituted) heterocyclyl; Z = amino, OH, SH, CHO, CO2R, cyano, alkylcarbonyl, arylcarbonyl, NO, etc.] were prepd. Thus, 3-(4-chloro-6-fluoro-2-methoxy-2-nitrophenyl)-1-methyl-6-(trifluoromethyl)-2,4(1H,3H)-pyrimidinedione [prepn. given] was stirred with Fe powder in HOAc to give title compd. (II). II at 7.8 g/ha post-emergent gave 100% control of Xanarthus retroflexus and Ambilon theophrast.

IT 224167-79-8P, Benzoic acid, 2-[3-chloro-6-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-5-fluoro-2-methoxyphenyl]hydrazide 224167-71-9P, Benzoic acid, 2,4-difluoro-2-[3-chloro-6-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-5-fluoro-2-methoxyphenyl]hydrazide 224167-72-0P, 2-Naphthalenecarboxylic acid, 2-[3-chloro-6-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-5-fluoro-2-methoxyphenyl]hydrazide 224167-87-7P, Benzaldehyde, 2,4-difluoro-2-[3-chloro-6-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-5-fluoro-2-methoxyphenyl]hydrazone 224167-88-9P, 2-Naphthalenecarboxaldehyde, [3-chloro-6-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-5-fluoro-2-methoxyphenyl]hydrazone
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of heterocyclylbenzenes as herbicides and defoliants)

RN 224167-79-8 CAPLUS
CN Benzoic acid, 2-[3-chloro-6-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-5-fluoro-2-methoxyphenyl]hydrazide (CA INDEX NAME)



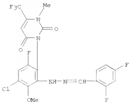
RN 224167-71-9 CAPLUS
CN Benzoic acid, 2,4-difluoro-, 2-[3-chloro-6-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-5-fluoro-2-methoxyphenyl]hydrazide (CA INDEX NAME)

L14 ANSWER 24 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

RN 224167-72-0 CAPLUS
CN 2-Naphthalenecarboxylic acid, 2-[3-chloro-6-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-5-fluoro-2-methoxyphenyl]hydrazide (CA INDEX NAME)

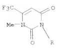
RN 224167-87-7 CAPLUS
CN Benzaldehyde, 2,4-difluoro-, 2-[3-chloro-6-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-5-fluoro-2-methoxyphenyl]hydrazone (CA INDEX NAME)

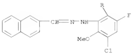
L14 ANSWER 23 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



RN 224167-89-9 CAPLUS
CN 2-Naphthalenecarboxaldehyde,
2-[3-chloro-6-[3,6-dihydro-3-methyl-1,2,6-dioxo-

4-(trifluoromethyl)-1(2H)-pyrimidinyl]-5-fluoro-2-methoxyphenyl]hydrazone
(CA INDEX NAME)





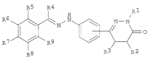
OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD
(4 CITINGS)
REFERENCE COUNT: 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 24 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2001:693288 CAPLUS
DOCUMENT NUMBER: 135:242237
TITLE: Preparation of pyridazinylphenyl hydrazones useful against congestive heart failure
INVENTOR(S): Pystynen, Jarmo; Pippuri, Aino; Luiro, Anne; Nore, Pentti; Baeckstroem, Reijo; Loennberg, Kari; Haikala, Heimo; Levijoki, Jouko; Kaheinen, Petri; Kaivola, Juha
PATENT ASSIGNEE(S): Orion Corporation, Finland
SOURCE: PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2001068611	A1	20010920	WO 2001-FI241		20010312
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
CA 2403188	A1	20010920	CA 2001-2403188		20010312
AU 2001046577	A	20010924	AU 2001-46577		20010312
EP 1265871	A1	20021218	EP 2001-919489		20010312
EP 1265871	B1	20060208			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
BR 2001009136	A	20021224	BR 2001-9136		20010312
HU 2003000177	A2	20030728	HU 2003-177		20010312
HU 2003000177	A3	20030929			
JP 2003527375	T	20030916	JP 2001-567705		20010312
NZ 521162	A	20031128	NZ 2001-521162		20010312
EE 2002000520	A	20040415	EE 2002-520		20010312
CN 1191241	C	20050302	CN 2001-806530		20010312
AT 317388	T	20060215	AT 2001-919489		20010312
ES 2256222	T3	20060716	ES 2001-919489		20010312
AU 2001246577	B2	20060831	AU 2001-246577		20010312
IL 151492	A	20070920	IL 2001-151492		20010312
SK 287163	B6	20100208	SK 2002-1288		20010312
ZA 2002006917	A	20030730	ZA 2002-6917		20020828
IN 2002KN01121	A	20050311	IN 2002-KN1121		20020902
IN 222462	A1	20080815			
NO 2002004247	A	20021025	NO 2002-4247		20020905
NO 324172	B1	20070903			
MX 2002008997	A	20030425	MX 2002-8997		20020913
BG 107175	A	20030530	BG 2002-107175		20021008
HR 2002000816	A2	20041231	HR 2002-816		20021011
US 20030158200	A1	20030821	US 2002-221348		20021226
US 6699868	B2	20040302			
HK 1052008	A1	20050527	HK 2003-104272		20030616
PRIORITY APPLN. INFO.:			FI 2000-577	A	20000313

L14 ANSWER 24 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
WO 2001-FI241 W 20010312

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 135:242237
GI



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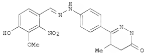

II

AB The title compds. [I; R1-R4 = H, alkyl, aryl, etc.; or R2 and R3 form a ring of 5-7 carbon atoms; R5-R9 = H, alkyl, aryl, etc.] which increase the calcium sensitivity of contractile proteins of the cardiac muscle and are thus useful in the treatment of congestive heart failure, were prepared. Thus, reacting (R)-6-(4-hydrazinophenyl)-5-methyl-4,5-dihydro-2H-pyridazin-3-one (preparation given) with 4-hydroxy-3-methoxy-2-nitrobenzaldehyde in EtOH afforded (R)-II which showed 207.2% change from control in test for maximum calcium sensitizing effect in skinned cardiac fiber.

IT 360794-85-0P 360794-86-1P 360794-87-2P
360794-88-3P 360794-89-4P 360794-90-7P
360794-91-8P 360794-92-9P 360794-93-0P
360794-95-2P 360794-96-3P 360794-97-4P
360794-98-5P 360794-99-6P 360795-00-2P
360795-01-3P 360795-02-4P 360795-03-5P
360795-04-6P 360795-05-7P 360795-06-8P
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360795-10-4P 360795-11-5P 360795-12-6P
360795-16-0P 360795-17-1P 360795-18-2P
360795-19-3P 360795-20-6P 360795-21-7P
360795-22-8P 360795-23-9P 360795-24-0P
360795-25-1P 360795-26-2P 360795-27-3P
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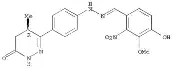
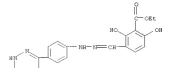
360795-35-3P 360795-36-4P 360795-37-5P
360795-38-6P 360795-39-7P 360795-40-0P

L14 ANSWER 24 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
360795-41-1P 360795-42-2P 360795-43-3P
360795-44-4P 360795-45-5P 360795-46-6P
360795-47-7P 360795-48-8P 360795-49-9P
360795-54-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of pyridazinylphenyl hydrazones useful against congestive heart failure)
RN 360794-85-0 CAPLUS
CN Benzaldehyde, 4-hydroxy-3-methoxy-2-nitro-, 2-[4-[(4R)-1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazone (CA INDEX NAME)

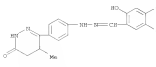
Absolute stereochemistry.
Double bond geometry unknown.



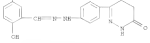
RN 360794-86-1 CAPLUS
CN Benzoic acid,
2,6-dihydroxy-3-[[2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazinylidene]methyl]-, ethyl ester (CA INDEX NAME)



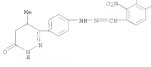
RN 360794-87-2 CAPLUS
CN Benzaldehyde, 2,4,5-trihydroxy-,
2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)



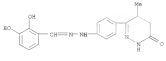
RN 360794-88-3 CAPLUS
CN Benzaldehyde, 2-hydroxy-5-nitro-, 2-[4-[1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazone (CA INDEX NAME)

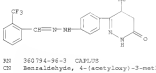


RN 360794-89-4 CAPLUS
CN Benzaldehyde, 4-hydroxy-3-methoxy-2-nitro-, 2-[4-[1,4,5,6-tetrahydro-6-methyl-4-oxo-3-pyridazinyl]phenyl]hydrazone (CA INDEX NAME)

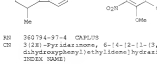


RN 360794-90-7 CAPLUS
CN Benzaldehyde, 2,3-dihydroxy-, 2-[4-[1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazone (CA INDEX NAME)

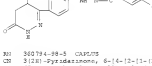




RN 360794-96-3 CAPLUS
CN Benzaldehyde, 4-(acetyloxy)-3-methoxy-2-nitro-, 1-[2-[4-[1,4,5,6-tetrahydro-6-methyl-4-oxo-3-pyridazinyl]phenyl]hydrazone] (CA INDEX NAME)

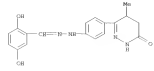


RN 360794-97-4 CAPLUS
CN 3(2H)-Pyridazinone, 6-[4-[2-[1-(3,5-dihydroxyphenyl)ethylidene]hydrazinyl]phenyl]-4,5-dihydro-5-methyl- (CA INDEX NAME)

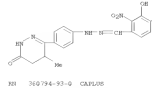


RN 360794-98-5 CAPLUS
CN 3(2H)-Pyridazinone, 6-[4-[2-[1-(2,4-dihydroxyphenyl)-3-(3,4-dimethoxyphenyl)propylidene]hydrazinyl]phenyl]-4,5-dihydro-5-methyl- (CA INDEX NAME)

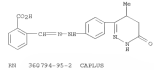
RN 360794-91-8 CAPLUS
CN Benzaldehyde, 2,5-dihydroxy-, 2-[4-[1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazone (CA INDEX NAME)



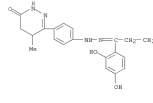
RN 360794-92-9 CAPLUS
CN Benzaldehyde, 3,4-dihydroxy-2-nitro-, 2-[4-[1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazone (CA INDEX NAME)



RN 360794-93-0 CAPLUS
CN Benzoic acid, 2-[2-[4-[1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazinylidene]methyl]- (CA INDEX NAME)



RN 360794-95-2 CAPLUS
CN Benzaldehyde, 2-[(trifluoroacetyl)oxy]-, 2-[4-[1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazone (CA INDEX NAME)



RN 360794-99-6 CAPLUS
CN 1(2H)-Phthalazinone, 4-[4-[2-[(2,4-dihydroxyphenyl)phenylmethylene]hydrazinyl]phenyl]- (CA INDEX NAME)

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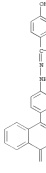

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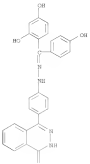
RN 360795-00-2 CAPLUS
CN 1(2H)-Phthalazinone, 4-[4-[2-[(2,4-dihydroxyphenyl)(4-hydroxyphenyl)methylene]hydrazinyl]phenyl]- (CA INDEX NAME)

PAGE 1-A



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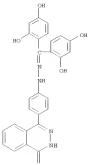
RN 360795-01-3 CAPLUS
CN 1(2H)-Phthalazinone, 4-[4-[2-[bis(2,4-dihydroxyphenyl)methyl]hydrazinyl]phenyl]- (CA INDEX NAME)

PAGE 1-A



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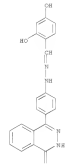
RN 360795-02-4 CAPLUS
CN Benzaldehyde, 2,4-dihydroxy-, 2-[4-(3,4-dihydro-4-oxo-1-phthalazinyl)phenyl]hydrazone (CA INDEX NAME)

PAGE 1-A



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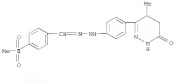
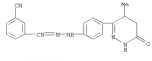
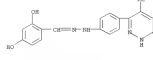
RN 360795-03-5 CAPLUS
CN Benzaldehyde, 4-(methylsulfonyl)-, 2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)



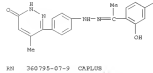
RN 360795-04-6 CAPLUS
CN Benzonitrile, 3-[[2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazinylidene]methyl]- (CA INDEX NAME)



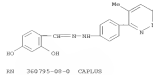
RN 360795-05-7 CAPLUS
CN Benzaldehyde, 2,4-dihydroxy-, 2-[4-(1,6-dihydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)



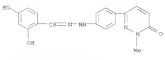
RN 360795-06-8 CAPLUS
CN 3(2H)-Pyridazinone, 6-[4-[2-[1-(2,4-dihydroxyphenyl)ethylidene]hydrazinyl]phenyl]-5-methyl- (CA INDEX NAME)



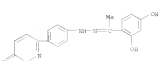
RN 360795-07-9 CAPLUS
CN Benzaldehyde, 2,4-dihydroxy-, 2-[4-(1,6-dihydro-1,4-dimethyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)



RN 360795-08-0 CAPLUS
CN Benzaldehyde, 2,4-dihydroxy-, 2-[4-(1,6-dihydro-1-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)



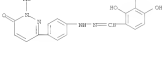
RN 360795-09-1 CAPLUS
CN 3(2H)-Pyridazinone, 6-[4-[2-[1-(2,4-dihydroxyphenyl)ethylidene]hydrazinyl]phenyl]-2-methyl- (CA INDEX NAME)



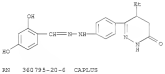
RN 360795-10-4 CAPLUS
CN 3(2H)-Pyridazinone, 6-[4-[2-[1-(2,4-dihydroxyphenyl)propylidene]hydrazinyl]phenyl]-2-methyl- (CA INDEX NAME)

RN 360795-11-5 CAPLUS
CN Benzaldehyde, 3-ethyl-2,4-dihydroxy-, 2-[4-(1,6-dihydro-1-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)

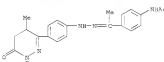
dihydroxyphenyl)ethylidene]hydrazinyl]phenyl]-4,5-dihydro-5-methyl- (CA INDEX NAME)



RN 360795-19-3 CAPLUS
CN Benzaldehyde, 2,4-dihydroxy-, 2-[4-[4-ethyl-1,4,5,6-tetrahydro-6-oxo-3-pyridazinyl]phenyl]hydrazone (CA INDEX NAME)

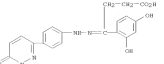


RN 360795-20-6 CAPLUS
CN Acetamide, N-[4-[1-[2-[4-[1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazinylidene]ethyl]phenyl]- (CA INDEX NAME)

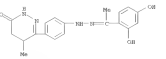


RN 360795-23-7 CAPLUS
CN 3(2H)-Pyridazinone, 6-[4-[2-[1-(2,4-dihydroxy-3-methylphenyl)ethylidene]hydrazinyl]phenyl]-4,5-dihydro-5-methyl- (CA INDEX NAME)

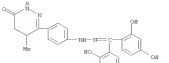
RN 360795-12-6 CAPLUS
CN Benzenebutanoic acid, γ-[2-[4-(1,6-dihydro-1-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazinylidene]-2,4-dihydroxy- (CA INDEX NAME)



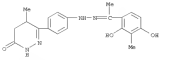
RN 360795-16-0 CAPLUS
CN 3(2H)-Pyridazinone, 6-[4-[2-[1-[2,4-dihydroxyphenyl)ethylidene]hydrazinyl]phenyl]-4,5-dihydro-5-methyl- (CA INDEX NAME)



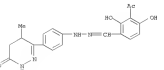
RN 360795-17-1 CAPLUS
CN 3(2H)-Pyridazinone, 6-[4-[2-[bis(2,4-dihydroxyphenyl)methylene]hydrazinyl]phenyl]-4,5-dihydro-5-methyl- (CA INDEX NAME)



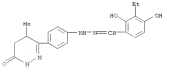
RN 360795-18-2 CAPLUS
CN 3(2H)-Pyridazinone, 6-[4-[2-[1-(2,5-



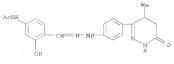
RN 360795-22-8 CAPLUS
CN Benzaldehyde, 3-acetyl-2,4-dihydroxy-, 2-[2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone] (CA INDEX NAME)



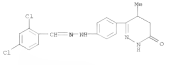
RN 360795-23-9 CAPLUS
CN Benzaldehyde, 3-ethyl-2,4-dihydroxy-, 2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)



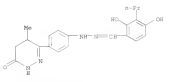
RN 360795-24-0 CAPLUS
CN Acetamide, N-[3-hydroxy-4-[[2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazinylidene]methyl]phenyl]- (CA INDEX NAME)



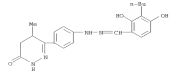
RN 360795-25-1 CAPLUS
CN Benzaldehyde, 2,4-dichloro-, 2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)



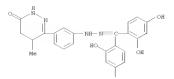
RN 360795-26-2 CAPLUS
CN Benzaldehyde, 2,4-dihydroxy-3-propyl-, 2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)



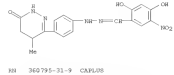
RN 360795-27-3 CAPLUS
CN Benzaldehyde, 3-butyl-2,4-dihydroxy-, 2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)



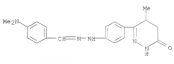
RN 360795-29-5 CAPLUS
CN 3(2H)-Pyridazinone, 6-[3-[2-[bis(2,4-dihydroxyphenyl)methylene]hydrazinyl]phenyl]-4,5-dihydro-5-methyl- (CA INDEX NAME)



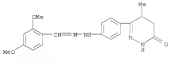
RN 360795-30-8 CAPLUS
CN Benzaldehyde, 2,4-dihydroxy-5-nitro-, 2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)



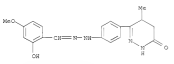
RN 360795-31-9 CAPLUS
CN Benzaldehyde, 4-(dimethylamino)-, 2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)



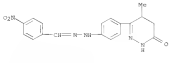
RN 360795-32-0 CAPLUS
CN Benzaldehyde, 2,4-dimethoxy-, 2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)



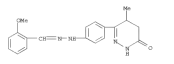
RN 360795-33-1 CAPLUS
CN Benzaldehyde, 2-hydroxy-4-methoxy-, 2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)



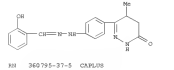
RN 360795-34-2 CAPLUS
CN Benzaldehyde, 4-nitro-, 2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)



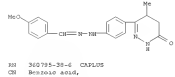
RN 360795-35-3 CAPLUS
CN Benzaldehyde, 2-methoxy-, 2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)



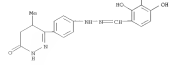
RN 360795-36-4 CAPLUS
CN Benzaldehyde, 2-hydroxy-, 2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)



RN 360795-37-5 CAPLUS
CN Benzaldehyde, 4-methoxy-, 2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone (CA INDEX NAME)

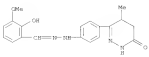


RN 360795-38-6 CAPLUS
CN Benzoic acid, 2,4-dihydroxy-3-[[2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazinylidene]methyl]- (CA INDEX NAME)

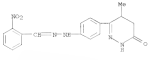


RN 360795-39-7 CAPLUS
CN Benzaldehyde, 2-hydroxy-3-methoxy-, 2-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone

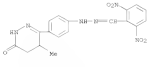
(CA INDEX NAME)



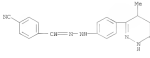
RN 36G795-40-0 CAPLUS
CN Benzaldehyde, 2-nitro-, 2-[4-[1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazone (CA INDEX NAME)



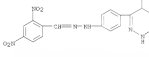
RN 36G795-41-1 CAPLUS
CN Benzaldehyde, 2,4-dinitro-, 2-[4-[1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazone (CA INDEX NAME)



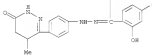
RN 36G795-42-2 CAPLUS
CN Benzonitrile, 4-[2-[4-[1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazinylidene]methyl]- (CA INDEX NAME)



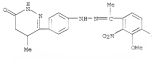
RN 36G795-43-3 CAPLUS
CN Benzaldehyde, 4-hydroxy-, 2-[4-[1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazone (CA INDEX NAME)



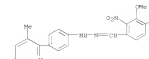
RN 36G795-44-4 CAPLUS
CN Benzaldehyde, 3-hydroxy-, 2-[4-[1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazone (CA INDEX NAME)



RN 36G795-45-5 CAPLUS
CN Benzaldehyde, 4-hydroxy-3-nitro-, 2-[4-[1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazone (CA INDEX NAME)



RN 36G795-46-6 CAPLUS
CN Benzenebutanoic acid, 2,4-dihydroxy-γ-[2-[4-[1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazinylidene]- (CA INDEX NAME)



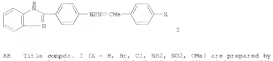
RN 36G795-47-7 CAPLUS
CN Benzaldehyde, 2,4-dinitro-, 2-[4-[1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazone (CA INDEX NAME)

RN 36G795-48-8 CAPLUS
CN Benzenepentanoic acid, 2,4-dihydroxy-δ-[2-[4-[1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazinylidene]- (CA INDEX NAME)

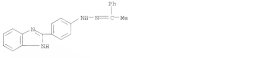
RN 36G795-49-9 CAPLUS
CN 3(2H)-Pyridazinone, 4,5-dihydro-6-[4-[2-[3-[4-hydroxy-3-methoxy-2-nitrophenyl]ethylidene]hydrazinyl]phenyl]-5-methyl- (CA INDEX NAME)

RN 36G795-54-6 CAPLUS
CN Benzaldehyde, 4-hydroxy-3-methoxy-2-nitro-, 2-[4-[1,4-dihydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazone (CA INDEX NAME)

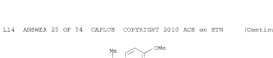
L14 ANSWER 25 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1982:466121 CAPLUS
DOCUMENT NUMBER: 136:134711
TITLE: Synthesis of benzimidazole-substituted phenylhydrazones of acetophenones
AUTHOR(S): Tsrikishvili, A.; Makharashvili, N.; Samsonya, Sh.
CORPORATE SOURCE: Georgia
SOURCE: Bulletin of the Georgian Academy of Sciences (2001), 163(1), 78-80
CODEN: BOGEFC; ISSN: 1560-0262
PUBLISHER: Georgian Academy of Sciences
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 136:134711
GI



AB Title compds. I (X = H, Br, Cl, NO2, NO2, OMe) are prepared by diacetylation-reduction of 2-[4-aminophenyl]benzimidazole (II) and condensation of the resulting 2-(4-hydrazinophenyl)benzimidazole dihydrochloride with acetophenones. II is prepared from 1,2-benzenediamine and 4-aminobenzoic acid.
IT 392655-20-9P 392655-21-0P 392655-22-0P
392655-23-1P 392655-24-2P 392655-25-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of acetophenone [benzimidazolylphenyl]hydrazones)
RN 392655-20-9 CAPLUS
CN Ethanone, 1-phenyl-, 2-[4-(1H-benzimidazol-2-yl)phenyl]hydrazone (CA INDEX NAME)

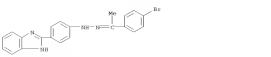


RN 392655-21-0 CAPLUS
CN Ethanone, 1-(4-bromophenyl)-, 2-[4-(1H-benzimidazol-2-yl)phenyl]hydrazone (CA INDEX NAME)

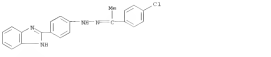


L14 ANSWER 25 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

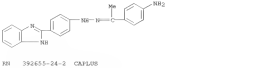
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



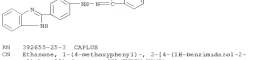
RN 392655-22-0 CAPLUS
CN Ethanone, 1-(4-chlorophenyl)-, 2-[4-(1H-benzimidazol-2-yl)phenyl]hydrazone (CA INDEX NAME)



RN 392655-23-1 CAPLUS
CN Ethanone, 1-(4-aminophenyl)-, 2-[4-(1H-benzimidazol-2-yl)phenyl]hydrazone (CA INDEX NAME)



RN 392655-24-2 CAPLUS
CN Ethanone, 1-(4-nitrophenyl)-, 2-[4-(1H-benzimidazol-2-yl)phenyl]hydrazone (CA INDEX NAME)

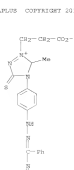


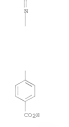
RN 392655-25-3 CAPLUS
CN Ethanone, 1-(4-methoxyphenyl)-, 2-[4-(1H-benzimidazol-2-yl)phenyl]hydrazone (CA INDEX NAME)

L14 ANSWER 26 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1999:451035 CAPLUS
DOCUMENT NUMBER: 131:136709
TITLE: Ultrahigh-contrast silver halide photographic material, its processing and formazan compound additive
INVENTOR(S): Matsuura, Mitsunobu; Fukui, Makoto; Miura, Norio; Ito, Hirohide; Takabayashi, Toshiyuki
PATENT ASSIGNEE(S): Konica Co., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 95 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11193266	A	19990721	JP 1998-120145	19980414
PRIORITY APPLN. INFO.:			JP 1997-114422	A 19970416
			JP 1997-321998	A 19971110

OTHER SOURCE(S): MARPAT 131:136709
AB The Ag halide photog. material contains at least 1 kind of formazan compound represented by RNHN:C(R:NN':R'' [R, R', R'' = H, monovalent substituent], wherein the formazan compound is capable of transforming itself to a development inhibitor upon oxidation during a development process. The material produces images with excellent sharpness, granularity, resolution power, and color reproduction
IT 251767-01-6
RL: MOA (Modifier or additive use); USES (Uses)
(formazan additive to ultrahigh-contrast silver halide photog. material)
RN 251767-01-6 CAPLUS
CN 3H-1,2,4-Triazolium, 1-[2-carboxyethyl]-4-[4-[2-[[2-(4-carboxyphenyl)diazenyl]phenyl]methylene]hydrazinyl]phenyl]-4,5-dihydro-5-methyl-3-thioxo-, inner salt (CA INDEX NAME)





OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

ACCESSION NUMBER: 1999:297407 CAPLUS
DOCUMENT NUMBER: 130:338118
TITLE: Preparation of heterocyclylbenzenes as herbicides and defoliants.
INVENTOR(S): Gupta, Sandeep; Tsukamoto, Masamitsu; Felman, David A.; Ying, Bai-ping; Wu, Shao-yong
PATENT ASSIGNEE(S): ISK America Incorporated, USA
SOURCE: PCT Int. Appl., 139 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9921837	A1	19990506	WO 1998-US17197	19980821
W: AL, AM, AT, AU, AZ, BA, BB, BG, BY, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2307815	A1	19990506	CA 1998-2307815	19980821
AU 9895650	A	19990517	AU 1998-95650	19980821
AU 745237	B2	20020314		
EP 1029843	A1	20000823	EP 1998-945702	19980821
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
HU 2000004151	A2	20010228	HU 2000-4151	19980821
HU 2000004151	A3	20011228		
JP 2001523027	T	20011106	JP 2000-517949	19980821
BR 9814104	A	20011226	BR 1998-14104	19980821
CN 1272219	A	20000928	CN 2005-10062898	19980821
CN 1638274	A	20050112	CN 2005-10061271	19980821
IN 194738	A1	20041127	IN 1998-DE7003	19981221
ZA 9809439	A	19990426	ZA 1998-9439	19981022
TW 533200	B	20030521	TW 1998-87117635	19981023
ES 22047	A	20020616	ES 1998-1799	19981027
MX 2000004042	A	20010706	MX 2000-4042	20000426
US 6355799	B1	20020312	US 2000-539773	20000427
US 39599	E1	20070424	US 2000-797936	20000427
US 2002213907	A1	20020919	US 2001-990149	20011016
US 6545161	B2	20030408		
PRIORITY APPLN. INFO.:			US 1997-958313	A2 19971027
			CN 1998-812711	A3 19980821
			WO 1998-US17197	W 19980821
			US 2000-539773	E 20000427

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 130:338118
GI

AB Title compds. [I; X = H, halo, NO2, amino, NHR, NR2, amide, thioamide, cyano, alkylcarbonyl, alkoxycarbonyl, alkylsulfonamide, (substituted) alkyl, haloalkyl, alkoxy, haloalkoxy, alkoxycarbonyloxy, PhCH2O, aryloxy, heteroaryloxy; Y = H, halo, NO2; W = H, CH, SR, NHR, NR2, CHR2, CHR2, CH3, halo, NO2, cyano; R = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl, alkoxy, cycloalkoxy, aryloxy, heteroaryloxy, alkylsulfonyl, PhCH2, alkylcarbonyl, arylcarbonyl, etc.; Q = (substituted) heterocyclyl; X = amino, OH, SH, CHO, COOH, cyano, alkylcarbonyl, arylcarbonyl, NO, etc.], were prepared Thus, 3-(4-chloro-6-fluoro-2-methoxy-3-nitrophenyl)-1-methyl-6-(trifluoromethyl)-2,4(1H,3H)-pyrimidinedione (preparation given) was stirred with Fe powder in HOAc to give title compound (II). II at 7.8 g/ha postemergent gave 100% control of Amaranthus retroflexus and Ambilon theophrasti.

IT 224167-70-8P 224167-71-9P 224167-72-0P
224167-87-7P 224167-89-9P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of heterocyclylbenzenes as herbicides and defoliants)

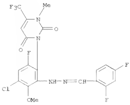
RN 224167-70-8 CAPLUS
CN Benzoic acid, 2-(3-chloro-6-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-5-fluoro-2-methoxyphenyl)hydrazide (CA INDEX NAME)

RN 224167-71-9 CAPLUS
CN Benzoic acid, 2,4-difluoro-, 2-[3-chloro-6-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-5-fluoro-2-methoxyphenyl]hydrazide (CA INDEX NAME)

RN 224167-72-0 CAPLUS
CN 2-Naphthalenecarboxylic acid, 2-[3-chloro-6-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-5-fluoro-2-methoxyphenyl]hydrazide (CA INDEX NAME)

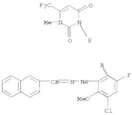
RN 224167-87-7 CAPLUS
CN Benzaldehyde, 2,4-difluoro-, 2-[3-chloro-6-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-5-fluoro-2-methoxyphenyl]hydrazone (CA INDEX NAME)

L14 ANSWER 27 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



RN 224167-89-9 CAPLUS
CN 2-Naphthalenecarboxaldehyde,
2-[3-chloro-6-[3,6-dihydro-3-methyl-2,6-dioxo-

4-(trifluoromethyl)-1(2H)-pyrimidinyl]-5-fluoro-2-methoxyphenyl]hydrazone
(CA INDEX NAME)



OS.CITING REF COUNT: 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS
RECORD
(9 CITINGS)
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR
THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

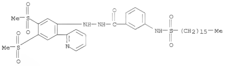
L14 ANSWER 28 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER:	1998:154931 CAPLUS
DOCUMENT NUMBER:	128:250644
ORIGINAL REFERENCE NO.:	128:49509a,49512a
TITLE:	Color diffusion-transfer silver halide photosensitive material and image formation using same
INVENTOR(S):	Katsumata, Taiji; Nakamura, Takeki; Takeuchi, Kiyoshi; Morita, Kensuke; Naruse, Hideaki; Makuta, Toshiyuki
PATENT ASSIGNEE(S):	Fuji Photo Film Co., Ltd., Japan
SOURCE:	Jpn. Kokai Tokkyo Koho, 86 pp. CODEN: JKXXAF
DOCUMENT TYPE:	Patent
LANGUAGE:	Japanese
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10062937	A	19980306	JP 1996-234664	19960819
JP 3675584	B2	20050727		
PRIORITY APPLN. INFO.:			JP 1996-234664	19960819

OTHER SOURCE(S): MARPAT 128:250644
GI For diagram(s), see printed CA Issue.
AB The title material contains, in $\geq$1 of the hydrophilic colloid layers formed on a support, $\geq$1 coupler I (R1-3 = H or substituent; X = H, alkyl, aryl, sulfonyl, alkylthio, arylthio, aryloxy, cyano, heteroaryl, alkoxy, alkoxycarbonyl, carbamoyl, sulfamoyl, sulfonamido, carbonamido; G = aryloxy, heteroaryloxy, arylthio, carbamoyloxy, heteroarylthio, acyloxy, alkoxycarbonyloxy, aryloxycarbonyloxy) and $\geq$1 hydrazine-type color developing agent II (Z = carbamoyl, acyl, alkoxycarbonyl, aryloxycarbonyl; Q = atoms required to form an unsatd. ring along with the C atom). The material is heat-developed at $70-150^\circ$ or developed in a solution or by developing with an alkaline processing solution to form an image. The coupler is colorless and diffusion
resistant and produces a high color quality diffusive dye rapidly with the
color developing agent, and the material provides durable, high d. images.
IT 204778-75-6
RL: TEM (Technical or engineered material use); USES (Uses)
(developer; for color diffusion-transfer silver halide photog. material
using pyrazolotriazole magenta coupler)
RN 204778-75-6 CAPLUS
CN Benzoic acid, 3-[(hexadecylsulfonyl)amino]-,
2-[4,5-bis(methylsulfonyl)-2-(2-pyridinyl)phenyl]hydrazide (CA INDEX NAME)

L14 ANSWER 28 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

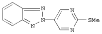


OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS
RECORD
(1 CITINGS)

L14 ANSWER 29 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER:	1996:702555 CAPLUS
DOCUMENT NUMBER:	126:31323
ORIGINAL REFERENCE NO.:	126:6373a,6376a
TITLE:	Chemistry and nonlinear optical properties of new 2H-benzotriazole derivatives
AUTHOR(S):	Gompper, Rudolf; Walther, Peter
CORPORATE SOURCE:	Inst. Organische Chemie, Univ. Muenchen, Munich, D-80333, Germany
SOURCE:	Tetrahedron (1996), 52(46), 14607-14624 CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER:	Elsevier
DOCUMENT TYPE:	Journal
LANGUAGE:	English

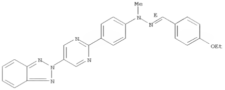
GI



I

AB A 2H-benzotriazolyl group was introduced as a new electron-withdrawing group for non-linear optically-active chromophores. Novel benzotriazole derivs. and hydrazones were synthesized. While their electronic structure
and acceptor capability was comparable to those of structurally related nitro compds., 2H-benzotriazoles showed a more favorable transparency-non-linearity trade-off for non-linear optics applications. An example compound was 2-[2-[2-(methylthio)-4-pyrimidinyl]ethenyl]-2H-benzotriazole (I). The first mol. hyperpolarizabilities β were measured with hyper-Raleigh scattering (HRS).
IT 184245-54-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and chemical and nonlinear optical properties of 2H-benzotriazole
derivs.)
RN 184245-54-3 CAPLUS
CN Benzaldehyde, 4-ethoxy-, [4-[5-(2H-benzotriazol-2-yl)-2-pyrimidinyl]phenyl]methylhydrazone, (E)- (9CI) (CA INDEX NAME)

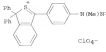
Double bond geometry as shown.



OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

ACCESSION NUMBER: 1996:116923 CAPLUS
DOCUMENT NUMBER: 124:178858
ORIGINAL REFERENCE NO.: 124:33137a,33140a
TITLE: Reaction of 1-alkylthio-substituted thiophthalylium salts with hydrazones of aromatic aldehydes
AUTHOR(S): Oparin, D. A.; Solodunov, A. A.
CORPORATE SOURCE: Inst. Biokhim., Belarus
SOURCE: Vestsi Akademii Navuk Belarusi, Seryya Khimichnykh Navuk (1995), (1), 63-6
CODEN: VAKHEY; ISSN: 0002-3590
PUBLISHER: Navuka i Tekhnika
DOCUMENT TYPE: Journal
LANGUAGE: Russian

GI



I

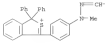
AB Cationic dyes I (R=R, 4-MeO, 3-Br) were prepared by the reaction of 1-ethylthio-3,3-diphenylthiophthalylium tetrafluoroborate with methylphenylhydrazones of benzaldehyde or substituted benzaldehydes (p-CH3O, m-Br) under conditions of general acidic catalysis.

IT 173993-62-3P 173993-64-5P 173993-66-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(reaction of 1-alkylthio-substituted thiophthalylium salts with hydrazones in the cationic dye synthesis)

RN 173993-62-9 CAPLUS
CN 1H-Benzo[c]thiolium, 3-[4-[methyl(phenylmethylene)hydrazino]phenyl]-1,1-diphenyl-, perchlorate (9Cl) (CA INDEX NAME)

CM 1

CRN 173993-61-8
CMF C34 H27 N2 S



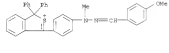
CM 2

CRN 14797-73-0
CMF Cl O4

RN 173993-64-1 CAPLUS
CN 1H-Benzo[c]thiolium, 3-[4-[[(4-methoxyphenyl)methylene]methylhydrazino]phenyl]-1,1-diphenyl-, perchlorate (9Cl) (CA INDEX NAME)

CM 1

CRN 173993-63-0
CMF C35 H29 N2 O S



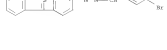
CM 2

CRN 14797-73-0
CMF Cl O4

RN 173993-66-3 CAPLUS
CN 1H-Benzo[c]thiolium, 3-[4-[[(2-bromophenyl)methylene]methylhydrazino]phenyl]-1,1-diphenyl-, perchlorate (9Cl) (CA INDEX NAME)

CM 1

CRN 173993-65-2
CMF C34 H26 Br N2 S



CM 2

CRN 14797-73-0
CMF Cl O4

L14 ANSWER 31 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN

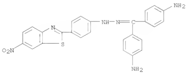
ACCESSION NUMBER: 1995:502916 CAPLUS
DOCUMENT NUMBER: 122:241385
ORIGINAL REFERENCE NO.: 122:44119a,44122a
TITLE: Novel nonlinear optical aminoaryl hydrazones and nonlinear optical polymers thereof
INVENTOR(S): Inbasekaran, Muthiah N.; Newsham, Mark D.; Mang, Michael N.
PATENT ASSIGNEE(S): Dow Chemical Co., USA
SOURCE: PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 9403557	A1	19940217	WO 1993-US7254		19930802
W: CA, JP, KR					
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE					
US 5288816	A	19940222	US 1992-927692		19920810
PRIORITY APPLN. INFO.:			US 1992-927692	A	19920810

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 122:241385

AB Aminoaryl hydrazones with optical nonlinear properties [e.g., 4,4'-diaminobenzophenone (4-nitrophenyl)hydrazone and 3-hydroxy-4-nitrobenzaldehyde (4-aminobenzoyl)hydrazone] are prepared and used as hardeners for epoxy resins, giving resins with optical nonlinear properties. The cured resins have high glass temps. and exhibit stable optical nonlinear properties during aging at high temps.

IT 162430-84-4P
RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); PREP (Preparation); USES (Uses)
(optical nonlinear material; preparation and use as hardener for epoxy resins)
RN 162430-84-4 CAPLUS
CN Methanone, bis(4-aminophenyl)-, [4-(6-nitro-2-benzothiazolyl)phenyl]hydrazone (9CI) (CA INDEX NAME)



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD
(2 CITINGS)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

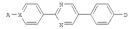
L14 ANSWER 31 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

L14 ANSWER 32 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN

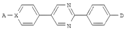
ACCESSION NUMBER: 1995:231105 CAPLUS
DOCUMENT NUMBER: 122:20115
ORIGINAL REFERENCE NO.: 122:3883a,3886a
TITLE: Aromatically substituted pyrimidine derivatives, their preparation, and their use in liquid-crystal mixtures for nonlinear optics
INVENTOR(S): Gompper, Rudolf; Engel, Harald; Lupo, Donald
PATENT ASSIGNEE(S): Hoechst A.-G., Germany
SOURCE: Ger. Offen., 32 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
DE 4241806	A1	19940616	DE 1992-4241806		19921211
US 5507974	A	19960416	US 1993-164145		19931209
JP 06228131	A	19940816	JP 1993-312242		19931213
PRIORITY APPLN. INFO.:			DE 1992-4241806	A	19921211

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 122:20115
GI



I

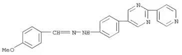


II

AB The compds. have the general formula I or II, where AX = NO2C, R1OCOC, R1CO2C, R2COC, N, R3N+ An-, (CN)2CN, or R1SO2C; An- = an anion; D = NH2, NHNH2, OR6, O(CH2)pOH, OH, NR5R6, NHR6, N:CHR4, HNN:CHR4, or NO2; R1,R2,R3,R5 = C1-22 alkyl or CF3(CF2)m(CH2)n; m ≥ 5; n ≥ 0; n + m ≤ 22; R4 = optionally substituted Ph; R6 = C1-22 alkyl, CF3(CF2)m(CH2)n, or (CH2)pOH; and p = 2-5.

IT 159488-81-0P
RL: DEV (Device component use); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
(preparation of; for nonlinear optical devices)
RN 159488-81-0 CAPLUS
CN Benzaldehyde, 4-methoxy-, 2-[4-[2-(4-pyridinyl)-5-pyrimidinyl]phenyl]hydrazone (CA INDEX NAME)

L14 ANSWER 32 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD
(6 CITINGS)

L14 ANSWER 33 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN

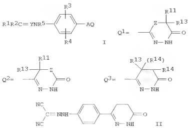
ACCESSION NUMBER: 1991:228967 CAPLUS
DOCUMENT NUMBER: 114:228967
ORIGINAL REFERENCE NO.: 114:38629a,38632a
TITLE: Preparation of arylazinones for treatment of congestive heart failure
INVENTOR(S): Haikala, Heimo Olavi; Honkanen, Erkki Juhani; Lonnberg, Kari Kalevi; Nore, Pentti Tapio; Pystynen, Jarmo Johan; Luiro, Anne Maria; Pippuri, Aino Kyllikki
PATENT ASSIGNEE(S): Orion-Yhtyma Oy, Finland
SOURCE: Brit. UK Pat. Appl., 35 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2228004	A	19900815	GB 1990-1853	19900126
GB 2228004	B	19920715		
NO 9000336	A	19900813	NO 1990-336	19900124
NO 178067	B	19951009		
NO 178067	C	19960117		
ES 2078939	T3	19960101	ES 1990-300875	19900129
ZA 9000681	A	19901031	ZA 1990-681	19900130
CZ 286036	B6	19991215	CZ 1990-557	19900206
SK 280411	B6	20000214	SK 1990-557	19900206
AU 9049296	A	19900816	AU 1990-49296	19900208
AU 619648	B2	19920130		
FI 96511	B	19960329	FI 1990-613	19900208
FI 96511	C	19960710		
CA 2009678	A1	19900811	CA 1990-2009678	19900209
CA 2009678	C	19980811		
HU 53090	A2	19900928	HU 1990-747	19900209
HU 204797	B	19920228		
JP 02288868	A	19901128	JP 1990-31339	19900209
JP 3011955	B2	20000221		
US 5019575	A	19910528	US 1990-477530	19900209
DD 293112	A5	19910822	DD 1990-337728	19900209
HU 59384	A2	19920528	HU 1991-3501	19900209
HU 206692	B	19921228		
RU 2048467	C1	19951120	RU 1990-4743235	19900209
CN 1044811	A	19900822	CN 1990-100645	19900210
CN 1036265	C	19971029		
US 5122524	A	19920616	US 1991-670338	19910315
US 5185332	A	19930209	US 1991-669867	19910315
SU 1836362	A3	19930823	SU 1991-4895242	19910505
RU 2068844	C1	19961110	RU 1992-5011896	19920629
LT 3769	B	19960325	LT 1993-1233	19930928

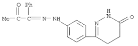
PRIORITY APPLN. INFO.: GB 1989-3130 A 19890211
US 1990-477530 A3 19900209

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): CASREACT 114:228967; MARPAT 114:228967
GI

L14 ANSWER 33 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



AB The title compds. [I; Q = Q1-Q3; R1, R2 = NO2, cyano, halo, amino, carboxamido, aryl, aroyl, pyridyl, alkoxycarbonyl, acyl, etc.; R1R2 = atoms to complete a (heterocyclic) ring; R3, R4, R5 = H, OH, alkyl; R11, R13, R14 = H, alkyl; A = bond, CH2CH2, CH:CH; Z = S, O, NH; Y = N, CH], were prepared Thus, aqueous NaNO2 was added to a 0-5° solution of 6-(4-aminophenyl)-4,5-dihydropyridazin-3(2H)-one and HCl in H2O. After 10 min malononitrile in H2O was added the solution was stirred 1.5 h at room temperature to give title compound II. I showed cardiotonic activity in guinea pig right ventricular papillary muscle (EC50's of 0.12-1.8 μM).
IT 131741-17-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as cardiovascular agent)
RN 131741-17-8 CAPLUS
CN 1,2-Propanedione, 1-phenyl-, 1-[2-[4-(1,4,5,6-tetrahydro-6-oxo-3-pyridazinyl)phenyl]hydrazone] (CA INDEX NAME)



OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD
(5 CITINGS)

L14 ANSWER 34 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN

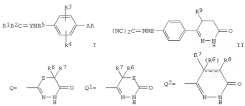
ACCESSION NUMBER: 1991:81895 CAPLUS
DOCUMENT NUMBER: 114:81895
ORIGINAL REFERENCE NO.: 114:13993a,13996a
TITLE: Preparation of p-heterocyclyl- or p-heterocyclylethenylaniline and -phenylhydrazones for treatment of congestive heart failure
INVENTOR(S): Haikala, Heimo Olavi; Nore, Pentti Tapio; Honkanen, Erkki Juhani; Pystynen, Jarmo Johan; Lonnberg, Kari Kalevi; Luiro, Anne Maria; Pippuri, Aino Kyllikki
PATENT ASSIGNEE(S): Orion-Yhtyma Oy, Finland
SOURCE: Eur. Pat. Appl., 21 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 383449	A2	19900822	EP 1990-300875	19900129
EP 383449	A3	19910703		
EP 383449	B1	19950906		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL				
NO 9000336	A	19900813	NO 1990-336	19900124
NO 178067	B	19951009		
NO 178067	C	19960117		
ES 2078939	T3	19960101	ES 1990-300875	19900129
ZA 9000681	A	19901031	ZA 1990-681	19900130
CZ 286036	B6	19991215	CZ 1990-557	19900206
SK 280411	B6	20000214	SK 1990-557	19900206
AU 9049296	A	19900816	AU 1990-49296	19900208
AU 619648	B2	19920130		
FI 96511	B	19960329	FI 1990-613	19900208
FI 96511	C	19960710		
CA 2009678	A1	19900811	CA 1990-2009678	19900209
CA 2009678	C	19980811		
HU 53090	A2	19900928	HU 1990-747	19900209
HU 204797	B	19920228		
JP 02288868	A	19901128	JP 1990-31339	19900209
JP 3011955	B2	20000221		
US 5019575	A	19910528	US 1990-477530	19900209
DD 293112	A5	19910822	DD 1990-337728	19900209
HU 59384	A2	19920528	HU 1991-3501	19900209
HU 206692	B	19921228		
RU 2048467	C1	19951120	RU 1990-4743235	19900209
CN 1044811	A	19900822	CN 1990-100645	19900210
CN 1036265	C	19971029		
US 5122524	A	19920616	US 1991-670338	19910315
US 5185332	A	19930209	US 1991-669867	19910315
SU 1836362	A3	19930823	SU 1991-4895242	19910505
RU 2068844	C1	19961110	RU 1992-5011896	19920629
LT 3769	B	19960325	LT 1993-1233	19930928

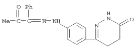
PRIORITY APPLN. INFO.: GB 1989-3130 A 19890211
US 1990-477530 A3 19900209

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 114:81895

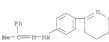
L14 ANSWER 34 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
GI



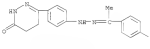
AB The title compds. (I; R = Q, Q1, Q2; R6, R7, R8 = H, alkyl; Z = S, O, NH; A = bond, CH:CH, CH2CH2; R1, R2 = NO2, cyano, halo, NH2, CONH2, aryl, aroyl, pyridyl, alkoxycarbonyl, acyl, etc.; R3-R5 = H, HO, alkyl), useful as cardiotonics, antihypertensives, and vasodilators, are prepared Thus, 0.38 g NaNO2 in H2O was added at 0-5° a stirred solution of 0.95 g 6-(4-aminophenyl)-4,5-dihydropyridazin-3(2H)-one in aqueous HCl; after 10 min, 0.33 g (NC)2CH2 in H2O was added and the resulting solution was stirred 1.5 h at room temperature and adjusted to pH 6.0 with a AcONa solution to give 1.25 g phenyldihydropyridazin-3(2H)-one (II; R9 = H). I were more potent phosphodiesterase isoenzyme (PDE) III inhibitors in dog and guinea-pig heart muscle than MCI-154, milrinone, adibendan, and pimobendan and had significant Ca-dependent binding to troponin. However the cardiotonic activity of I was independent of the extracellular Ca and also the inhibition of PDE III and rather based on the enhancement of the turnover of Ca released from sacroplasmic reticulum and/or the increase of Ca sensitivity of contractile proteins. II (R5 = Me) showed cardiotonic effect in guinea-pig papillary muscle with ED50 of 0.17 and 0.16 μM in the absence and presence of carbachol, resp. and at 100 μM induced tonic contraction in the absence of extracellular Ca.
IT 131741-17-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, for treatment of congestive heart failure)
RN 131741-17-8 CAPLUS
CN 1,2-Propanedione, 1-phenyl-, 1-[2-[4-(1,4,5,6-tetrahydro-6-oxo-3-pyridazinyl)phenyl]hydrazone] (CA INDEX NAME)



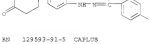
OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS



RN 129593-89-3 CAPLUS
CN 3(2H)-Pyridazinone, 4,5-dihydro-6-[4-[2-[1-[4-methoxyphenyl]ethylidene]hydrazinyl]phenyl]- (CA INDEX NAME)



RN 129593-90-4 CAPLUS
CN 3(2H)-Pyridazinone, 4,5-dihydro-6-[4-[2-[1-[4-(methylthio)phenyl]ethylidene]hydrazinyl]phenyl]- (CA INDEX NAME)



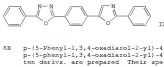
RN 129593-91-5 CAPLUS
CN 3(2H)-Pyridazinone, 4,5-dihydro-6-[4-[2-[1-[4-hydroxyphenyl]ethylidene]hydrazinyl]phenyl]- (CA INDEX NAME)

OS.CITING REF COUNT: 12 THERE ARE 12 CAPLUS RECORDS THAT CITE THIS RECORD (12 CITINGS)

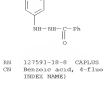
L14 ANSWER 35 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1990:571973 CAPLUS
DOCUMENT NUMBER: 113:171973
ORIGINAL REFERENCE NO.: 113:29172h,29173a
TITLE: Nonsteroidal cardiotonics. 7. New 4,5-dihydro-6-(1H-indol-5-yl)pyridazin-3(2H)-ones and related compounds with positive inotropic activities
AUTHOR(S): Mertens, Alfred; Fricke, Walter Gunar; Mueller-Beckmann, Bernd; Kampe, Wolfgang; Kling, Lothar; Von der Saal, Wolfgang
CORPORATE SOURCE: Dep. Chem., Boehringer Mannheim G.m.b.H., Mannheim, 6800, Germany
SOURCE: Journal of Medicinal Chemistry (1990), 33(10), 2870-5
CODEN: JMCMAR; ISSN: 0022-2623
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CA(REACT 113:171973
GI

AB A series of substituted indolylidihydropyridazinones I (R = Ph, COOEt, 3-, 4-pyridyl, 4-MeC6H4; R1 = H, Me, Et, CHMe2; R2 = H, Me) and related compds. were synthesized and evaluated for pos. inotropic activity. In rats, most of these indole deriv. produced a dose-related increase in myocardial contractility with little effect on heart rate and blood pressure. I (R = 4-pyridyl, R1 = H; R2 = Me), (II, HN 50.0450), was further investigated in cats. The increase in contractility in this animal model was not mediated via stimulation of β-adrenergic receptors. After oral administration of 1 mg/kg to conscious dogs, II and pimobendan were still active after 6.5 h. However, the cardiotonic effect of II was at least 2-fold that of pimobendan after this period of time. The structural requirements for optimal cardiotonic activity within this class of indole deriv. are a heterocyclic aromatic ring in position 3, a hydrogen or a Me group in position 3 and a dihydropyridazinone ring system in position 5 of the indole.
IT 129593-88-09 129593-89-1P 129593-90-4P
129593-91-5P
RLs PCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of, indole derivs. from)
RN 129593-88-0 CAPLUS
CN 3(2H)-Pyridazinone, 4,5-dihydro-6-[4-[2-[1-phenylethylidene]hydrazinyl]phenyl]- (CA INDEX NAME)

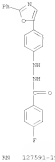
L14 ANSWER 36 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1990:406239 CAPLUS
DOCUMENT NUMBER: 113:6239
ORIGINAL REFERENCE NO.: 113:1211a,1214a
TITLE: Synthesis and spectroscopic characteristics of two heterocyclic pentadienes containing oxygen and nitrogen
AUTHOR(S): Pan, Jiaxing; Chen, Jingzhan; Kao, Chenheng
CORPORATE SOURCE: Dep. Chem., Nankai Univ., Tianjin, Peop. Rep. China
SOURCE: Gaodeng Xuexiao Huaxue Xuebao (1989), 10(10), 1012-16
CODEN: HYHYBM; ISSN: 0251-0790
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
GI



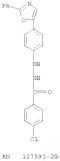
AB p-[5-Phenyl-1,3,4-oxadiazol-2-yl]-4-(5-phenyloxazol-2-yl)benzene (I) and p-[5-phenyl-1,3,4-oxadiazol-2-yl]-4-[2-phenyloxazol-5-yl]benzene (II) and ten deriv. are prepared. Their spectra and laser conversion efficiency are obtained.
IT 127591-17-7 127591-18-8 127591-19-9
127591-20-2 127591-21-3
RLs PCT (Reactant); RACT (Reactant or reagent)
(cyclization of, in presence of phosphoryl chloride)
RN 127591-17-7 CAPLUS
CN Benzoic acid, 2-[4-[2-phenyl-5-oxazolyl]phenyl]hydrazide (CA INDEX NAME)



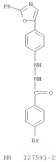
RN 127591-18-8 CAPLUS
CN Benzoic acid, 4-fluoro-, 2-[4-[2-phenyl-5-oxazolyl]phenyl]hydrazide (CA INDEX NAME)



RN 127591-19-9 CAPLUS
CN Benzoic acid, 4-chloro-, 2-[4-(2-phenyl-5-oxazolyl)phenyl]hydrazide (CA INDEX NAME)



RN 127591-20-2 CAPLUS
CN Benzoic acid, 4-bromo-, 2-[4-(2-phenyl-5-oxazolyl)phenyl]hydrazide (CA INDEX NAME)

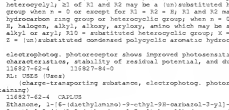


RN 127591-21-3 CAPLUS
CN Benzoic acid, 4-nitro-, 2-[4-(2-phenyl-5-oxazolyl)phenyl]hydrazide (CA INDEX NAME)

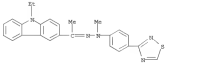
ACCESSION NUMBER: 1989:31346 CAPLUS
DOCUMENT NUMBER: 110:31346
ORIGINAL REFERENCE NO.: 110:5325a,5328a
TITLE: Electrophotographic photoreceptor containing hydrazone compound
INVENTOR(S): Sugiuchi, Masani; Nakajima, Yuko
PATENT ASSIGNEE(S): Toshiba Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63069454	A	19880326	JP 1986-207768	19860901
PRIORITY APPLN. INFO.:			JP 1986-207768	19860901

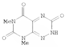
GI For diagram(s), see printed CA Issue.
AB In the title electrophotog. photoreceptor, a photosensitive layer contains
R1 hydrazone compound (as a charge-transporting substance) represented by I-V [R1-R5, R11 = H, (un)substituted alkyl, aralkyl, aryl, heterocyclyl; R1 of R1 and R2 may be a (un)substituted heterocyclic group when n = 0 or except for R1 = R2 = H; R1 and R2 may form a hydrocarbon ring group or heterocyclic group; when n = 0, R11 H; R6-R9 = H, halogen, alkyl, alkoxy, aryloxy, amino which may be substituted with alkyl or aryl; R10 = substituted heterocyclic group; X = N, S, Se, Ximo; Z = (un)substituted condensed polycyclic aromatic hydrocarbon group]. The electrophotog. photoreceptor shows improved photosensitivity, charge characteristics, stability of residual potential, and durability.
IT 116827-84-0
RL: USES (Uses)
(charge-transporting substance, electrophotog. photoreceptor containing)
RN 116827-84-0 CAPLUS
CN Ethanone, 1-[4-(diethylamino)-9-ethyl-9H-carbazol-3-yl]-, 2-methyl-2-[4-(1,2,4-thiadiazol-3-yl)phenyl]hydrazone (CA INDEX NAME)



RN 116827-84-0 CAPLUS
CN Ethanone, 1-(9-ethyl-9H-carbazol-3-yl)-, 2-methyl-2-[4-(1,2,4-thiadiazol-3-yl)phenyl]hydrazone (CA INDEX NAME)



L14 ANSWER 38 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1988:131765 CAPLUS
DOCUMENT NUMBER: 108:131765
ORIGINAL REFERENCE NO.: 108:21619a,21622a
TITLE: Synthesis and some properties of 4a derivatives of 6,8-dimethylpyrimido[5,4-e][1,2,4]triazine-3,5,7-trione
AUTHOR(S): Azev, Yu. A.; Mudretsova, I. I.; Sidorov, E. O.; Pidemskii, E. L.; Goleneva, A. F.; Aleksandrova, G. A.
CORPORATE SOURCE: Ural. Politekh. Inst., Sverdlovsk, USSR
SOURCE: Khimiko-Farmatsevticheskii Zhurnal (1987), 21(7), 829-33
CODEN: KHFZAN; ISSN: 0023-1134
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 108:131765
GI

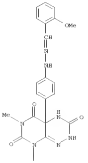


I

AB 4A-Derivs. of 2,3,4,4a,5,6,7,8-octahydro-6,8-dimethylpyrimido[5,4-e]triazene-3,5,7-trione (fervenulen-3-one) (I) were prepared via its reaction with indole, phenylhydrazine, o-phenylenediamines, and 1-phenyl-3-methyl-2-pyrazolin-5-one. The PhNHNH2 derivative was converted to Schiff bases with p-MeOC6H4CHO and 5-nitrofurfural. The phenylenediamines were converted to the corresponding benzimidazolethione by CS2.
IT 113458-66-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 113458-66-5 CAPLUS
CN Benzaldehyde, 2-methoxy-, 2-[4-(3,4,5,6,7,8-hexahydro-6,8-dimethyl-3,5,7-trioxopyrimido[5,4-e]-1,2,4-triazin-4a(2H)-yl)phenyl]hydrazone (CA INDEX NAME)

L14 ANSWER 38 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

PAGE 1-A



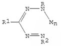
PAGE 2-A

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

L14 ANSWER 39 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1986:139365 CAPLUS
DOCUMENT NUMBER: 104:139365
ORIGINAL REFERENCE NO.: 104:21877a,21880a
TITLE: Image recording by color bleaching
INVENTOR(S): Rehorek, Detlef; Berthold, Thomas; Hennig, Horst; Thomas, Philipp; Marx, Joerg
PATENT ASSIGNEE(S): Karl-Marx-Universitaet Leipzig, Ger. Dem. Rep.
SOURCE: Ger. (East), 8 pp.
CODEN: GEXXA8
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 224421	A1	19850703	DD 1984-263541	19840530
PRIORITY APPLN. INFO.:			DD 1984-263541	19840530

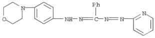
GI



I

AB A high-sensitivity, dye-bleaching type imaging recording process is described which uses a formazan or a formazan metal complex (I; R = an aromatic or heteroarom. moiety; R1, R2 = an aromatic moiety; M = H or a metal ion; n = 1-3), a photooxidant, and, if necessary, a polymer binder and a sensitizer. After exposure, the material is fixed by heating for a short time at 150°. Thus, a filter paper was immersed in a solution containing 1-(2-pyridyl)-3-phenyl-5-(4-N-morpholinophenyl)formazan 50, CBr4 50, and CH2Cl2 10 mL, dried, and exposed for 5 s to a Hg vapor lamp to show bleaching of the red-violet dye in the exposed areas. The resultant image was then fixed through heating at 150° for a min.
IT 101152-80-1
RL: USES (Uses)
(photoimaging compns. containing, dye-bleaching type, with high sensitivity)
RN 101152-80-1 CAPLUS
CN Methanone, phenyl[2-(2-pyridinyl)diazenyl]-, 2-[4-(4-morpholinyl)phenyl]hydrazone (CA INDEX NAME)

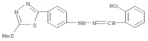
L14 ANSWER 39 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



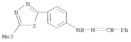
L14 ANSWER 40 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1985:127120 CAPLUS
DOCUMENT NUMBER: 102:127120
ORIGINAL REFERENCE NO.: 102:19885a,19888a
TITLE: Antiphytoviral compounds with noncyclic azine structure
AUTHOR(S): Schuster, G.; Heinisch, L.; Schulze, W.; Ulbricht, H.; Willitzer, H.
CORPORATE SOURCE: Sekt. Biowiss., Karl-Marx-Univ. Leipzig, Leipzig, DDR-7010, Ger. Dem. Rep.
SOURCE: Phytopathologische Zeitschrift (1984), 111(2), 97-113
CODEN: PHYZA3; ISSN: 0031-9481
DOCUMENT TYPE: Journal
LANGUAGE: German

AB The antiphytoviral activities of variously substituted compds. with noncyclic azine structures were studied. Of a total of 90 tested compds. 42 had the effect of more or less strongly inhibiting the concentration of potato virus X (PVX) in inoculated and (or) secondarily infected leaves of Nicotiana tabacum cv Samsun. An effect on the virion of PVX in vitro was not be observed Thus, the substances may interact with the virus replication. Some of them also reduced the number of local lesions caused by tobacco mosaic virus on leaves of N. glutinosa. Several compds. were excellent synergists of 2,4-dioxohexahydro-1,3,5-triazine (DHT) [27032-78-6]. Pyridine-3-aldehyde-S-ethyl-isothiosemicarbazone [66049-17-0] and 1-ethyl-isatine-S-ethyl-isothiosemicarbazone Cu complex when used in combination with DHT greatly increased the mass of potato tubers produced from plantlets derived from potato eye cuttings, as compared with the identical control. Simultaneously the mentioned substances reduced the number of symptom-bearing eye cutting plants. Quinoline-2-aldehyde-N-oxide-S-allyl-isothiosemicarbazone [63332-83-2] greatly reduced the number of symptom-bearing plants, without substantially influencing the mass of tubers. Thus, one compds. with noncyclic azine structure, especially when used in combination with DHT, may be of high interest for practical application. Comparing the structures of compds. with noncyclic azine structure active against plant or human viruses, the antiphytoviral compds. are only infrequently active against animal viruses and vice versa. However, the compds. active in these 2 different virus host systems often are closely related structurally.

IT 91574-76-4 95397-69-6
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(phytovirucidal activity of, structure in relation to)
RN 91574-76-4 CAPLUS
CN Benzaldehyde, 2-hydroxy-, 2-[4-[5-(methylthio)-1,3,4-thiadiazol-2-yl]phenyl]hydrazone (CA INDEX NAME)



RN 95397-69-6 CAPLUS
CN Benzaldehyde, 2-[4-[5-(methylthio)-1,3,4-thiadiazol-2-yl]phenyl]hydrazone (CA INDEX NAME)

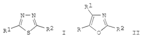


OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

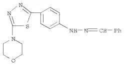
L14 ANSWER 41 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1984:524891 CAPLUS
DOCUMENT NUMBER: 101:124891
ORIGINAL REFERENCE NO.: 101:18939a,18942a
TITLE: Agent for chemotherapy of crop viruses
INVENTOR(S): Schuster, Gottfried; Kochmann, Werner; Kramer, Wilfried; Steinke, Walter; Hoeringklee, Walter; Winter, Harald; Steinke, Ulrich; Esser, Gerhard; Hanzsch, Christoph; et al.
PATENT ASSIGNEE(S): Ger. Dem. Rep.
SOURCE: Ger. (East), 26 pp.
CODEN: GEXXA8
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 160762	A3	19840307	DD 1981-228754	19810331
PRIORITY APPLN. INFO.:			DD 1981-228754	19810331

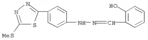
GI



AB The plant virucidal activity of 2,4-dioxohexahydro-1,3,5-triazine [27032-78-6] is synergized by a thiadiazole I (R1 and R2 = NH2, alkylamino, arylamino, etc.), and/or an oxazole II (R = alkyl, Ph, or hydroxyalkyl; R1 = alkyl, Ph, OH, or CO2H; R2 = NH2, guanyl, etc.) and/or a hydrazone R1R2C:NN:CR3R4 (R1 and R2 = H, SH, CN, heterocyclic radical, etc., R3 and R4 = H, SH, OH, etc.). Thus, the inhibitory effect of 2,4-dioxohexahydro-1,3,5-triazine on potato virus X , in secondarily-injected Nicotiana tabacum leaves, was enhanced by pyridin-3-aldehyde S-ethylisothiosemiarbazone [66049-17-0].
IT 91574-73-1 91574-76-4
RL: BIOL (Biological study)
(plant-virucidal activity of dioxohexahydrotriazine enhancement by)
RN 91574-73-1 CAPLUS
CN Benzaldehyde, 2-[4-[5-(4-morpholinyl)-1,3,4-thiadiazol-2-yl]phenyl]hydrazone (CA INDEX NAME)



RN 91574-76-4 CAPLUS
CN Benzaldehyde, 2-hydroxy-, 2-[4-[5-(methylthio)-1,3,4-thiadiazol-2-yl]phenyl]hydrazone (CA INDEX NAME)



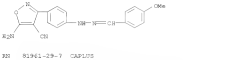
L14 ANSWER 42 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1982:456285 CAPLUS
DOCUMENT NUMBER: 97:6285
ORIGINAL REFERENCE NO.: 97:1239a,1222a
TITLE: Substituted 5-amino-4-cyanoisoxazoles
INVENTOR(S): Willitzer, Horst; Toney, Marion
PATENT ASSIGNEE(S): Akademie der Wissenschaften der DDR, Ger. Dem. Rep.
SOURCE: Ger. (East), 7 pp.
CODEN: GEXXA8
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 152780	A1	19811209	DD 1980-223507	19800826
PRIORITY APPLN. INFO.:			DD 1980-223507	A1 19800826

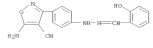
OTHER SOURCE(S): CASREACT 97:6285
GI

AB 1 [R = alkyl, aralkyl, aryl, arylmethylenamino; R1 = H, alkyl, aryl, aralkyl) were prepared and tested as virucides. Thus, 4-MeHCC6H4C(CN):C(CN)2 in DMF was cyclized with aqueous NH2OH-KOH to give 12.
IT 81961-28-6 81961-29-7
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(virucidal activity of)
RN 81961-28-6 CAPLUS
CN 4-Isoxazolecarbonitrile, 5-amino-3-[4-[2-[(4-methoxyphenyl)methylene]hydrazinyl]phenyl]- (CA INDEX NAME)



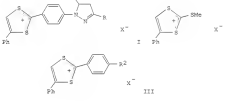
RN 81961-29-7 CAPLUS
CN 4-Isoxazolecarbonitrile, 5-amino-3-[4-[2-[(2-hydroxyphenyl)methylene]hydrazinyl]phenyl]- (CA INDEX NAME)

L14 ANSWER 42 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



L14 ANSWER 43 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1981:620001 CAPLUS
DOCUMENT NUMBER: 95:220001
ORIGINAL REFERENCE NO.: 95:36709a,36712a
TITLE: Electrophilic substitution of N-aryl-2-pyrazolines: reaction with 1,3-dithioles
AUTHOR(S): Gelis, I. M.; Vaksla, V. N.; Orlov, V. D.
CORPORATE SOURCE: Khar'k. Naukhno-Issled. Inst. Endokrinol. Khim. Onkh., USSR
SOURCE: Khimiya Geterotsiklicheskikh Soedinenii (1981), (9), 1245-50
CODEN: KGSSAQ; ISSN: 0453-8234
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 95:220001
GI

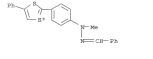


AB Pyrazolinylphenyldithiolium salts I (R = Me, R1 = Ph, X = I, ClO4; R = Ph, R1 = H, X = I; R = R1 = Ph, X = I, ClO4; R = PhCH:CH, R1 = Ph, X = ClO4) were obtained in 68-85% yields by electrophilic substitution of an appropriate arylpyrazoline by a phenyldithiolium salt II. Condensing II with PhNMe2 and PhCH:NNHPh gave 87 and 90% III (X = I, ClO4, R2 = NMe2) and 64% III (X = ClO4, R2 = NHeN:CHPh).
IT 79913-17-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 79913-17-0 CAPLUS
CN 1,3-Dithiol-1-ium, 2-[4-[1-methyl-2-(phenylmethylene)hydrazinyl]phenyl]-4-phenyl-, perchlorate (1:1) (CA INDEX NAME)

CM 1

CRN 79913-16-9
CMF C23 H19 N2 S2

L14 ANSWER 43 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



CM 2

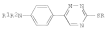
CRN 14797-73-0
CMF Cl O4

L14 ANSWER 44 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1980:42001 CAPLUS
DOCUMENT NUMBER: 92:42001
ORIGINAL REFERENCE NO.: 92:7013a,7016a
TITLE: 5-Amino-3-alkyl(or aralkyl)-mercapto-6-(p-substituted aminophenyl)-1,2,4-triazines
INVENTOR(S): Willitzer, Horst; Tonew, Marion; Tonew, Emil
PATENT ASSIGNEE(S): Akademie der Wissenschaften der DDR, Zentralinstitut fuer Mikrobiologie und Experimentelle Therapie, Ger. Dem. Rep.
SOURCE: Ger. (East), 7 pp.
CODEN: GEXXA8
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

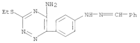
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 136962	A1	19790808	DD 1978-205869	19780608
PRIORITY APPLN. INFO.:			DD 1978-205869 A1	19780608

GI



I

AB The virustatic compds. I (R = alkyl, aralkyl; R1 = optionally substituted alkyl, aralkyl, aryl, or PhCH:N; R2 = H, optionally substituted alkyl or aralkyl) were prepared by the cyclization of 4-R1R2NC6H4C(CN):NNH(SR):NH. Thus, 4-Me2NC6H4C(CN):NNH(SMe):NH was heated in HOCH2CH2OH to give 87% I (R = R1 = R2 = Me), which had a therapeutic index of 32 against mengo virus.
IT 72447-33-7
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(virucidal activity of)
RN 72447-33-7 CAPLUS
CN Benzaldehyde, 2-[4-[5-amino-3-(ethylthio)-1,2,4-triazin-6-yl]phenyl]hydrazone (CA INDEX NAME)



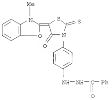
L14 ANSWER 45 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1978:144307 CAPLUS
DOCUMENT NUMBER: 88:144307
ORIGINAL REFERENCE NO.: 88:22627a,22630a
TITLE: Photographic recording material
INVENTOR(S): Leone, Ronald Edmund; Elwood, James Kenneth
PATENT ASSIGNEE(S): Eastman Kodak Co., USA
SOURCE: Ger. Offen., 70 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

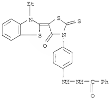
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2729147	A1	19780105	DE 1977-2729147	19770628
US 4080207	A	19780321	US 1976-700981	19760629
CA 1078848	A1	19800603	CA 1976-261420	19760917
FR 2356972	A1	19780127	FR 1977-19727	19770628
FR 2356972	B1	19790720		
BE 856284	A1	19771229	BE 1977-178923	19770629
JP 53003326	A	19780113	JP 1977-76657	19770629
GB 1583471	A	19810128	GB 1977-27237	19770629
PRIORITY APPLN. INFO.:			US 1976-700981 A	19760629

AB Direct-pos. color photog. recording materials are described which consist of a support coated with a Ag halide emulsion layer containing metal-doped Ag halide grains having adsorbed on their surface a heterocyclic N-(acylhydrazinophenyl)thioamide at 0.5-25 mg/mol Ag as a nucleus-forming agent. Upon exposure these materials give internal latent images. Some 19 heterocyclic N-(acylhydrazinophenyl)thioamides are described. Thus, a poly(ethylene terephthalate) support was coated with an image-receptor layer, a reflecting layer, an opaque layer, a layer containing a color developer, and a blue-sensitive direct-pos. gelatin-AgBr emulsion containing 5-(3-ethyl-2-benzothiazolinylidene)-3-[4-(2-formylhydrazino)phenyl]rhodanine 6 mg/mol Ag. Upon sensitometric exposure and development with a composition containing KOH 56.0, 4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone 8.0, 5-methylbenzotriazole 2.4, tert-butylhydroquinone 0.2, Na2SO3 2.0, carbon black 40.0, hydroxyethyl cellulose 25.0 g, and water to 1 L, the photog. film gave a Dmax of 2.15, a Dmin of 0.16 and a relative sensitivity of 42 vs. 2.48, 0.16, and 100, resp., for a control containing 1-acetyl-2-[4-[5-amino-2-(2,4-di-tert-pentylphenoxy)benzamido]phenyl]hydrazine 2000 mg/mol Ag.
IT 66096-45-5 66096-48-8
RL: USES (Uses)
(photog. foggant, for color direct-pos. emulsions)
RN 66096-45-5 CAPLUS
CN Benzoic acid, 2-[4-[5-(3-methyl-2(3H)-benzoxazolylidene)-4-oxo-2-thioxo-3-thiazolidinyl]phenyl]hydrazide (CA INDEX NAME)

L14 ANSWER 45 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

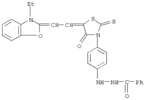


RN 66096-48-8 CAPLUS
CN Benzoic acid, 2-[4-[5-(3-ethyl-2(3H)-benzothiazolylidene)-4-oxo-2-thioxo-3-thiazolidinyl]phenyl]hydrazide (CA INDEX NAME)

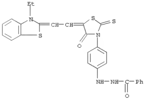


IT 66096-55-7P 66096-57-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 66096-55-7 CAPLUS
CN Benzoic acid, 2-[4-[5-[2-(3-ethyl-2(3H)-benzoxazolylidene)ethylidene]-4-oxo-2-thioxo-3-thiazolidinyl]phenyl]hydrazide (CA INDEX NAME)

L14 ANSWER 45 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

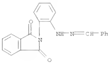


RN 66096-57-9 CAPLUS
CN Benzoic acid, 2-[4-[5-[2-(3-ethyl-2(3H)-benzothiazolylidene)ethylidene]-4-oxo-2-thioxo-3-thiazolidinyl]phenyl]hydrazide (CA INDEX NAME)

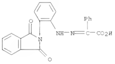


OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)

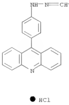
L14 ANSWER 46 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1978:50584 CAPLUS
DOCUMENT NUMBER: 88:50584
ORIGINAL REFERENCE NO.: 88:7973a,7976a
TITLE: Multidentate formazans. V. 1-(o-Aminophenyl)-3,5-diarylformazans
AUTHOR(S): Ostrovskaya, V. M.; Dziomko, V. M.; Zhukova, T. E.
CORPORATE SOURCE: USSR
SOURCE: Zhurnal Obshchei Khimii (1977), 47(10), 2351-5
CODEN: ZOKHA4; ISSN: 0044-460X
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 88:50584
AB RC6H4NHN:CPhN:NC6H4NH2-o (R = H, p-Me,o-p-MeO, p-I, p-Br, o-, p-Cl, p-O2N) were obtained in 71-98% yields by treatment of o-phthalimidobenzenediazonium chloride with PhCH:NNHC6H4R to give 24-94% intermediate phthalimidophenylformazans which were heated with N2H4.H2O 3-4 min at 110°.
IT 65447-28-1P 65447-29-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 65447-28-1 CAPLUS
CN Benzaldehyde, 2-[2-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]hydrazone (CA INDEX NAME)



RN 65447-29-2 CAPLUS
CN Benzeneacetic acid, α-[2-[2-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]hydrazinylidene]- (CA INDEX NAME)

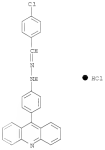


L14 ANSWER 47 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1975:428073 CAPLUS
DOCUMENT NUMBER: 83:28073
ORIGINAL REFERENCE NO.: 83:4489a,4492a
TITLE: Reaction of acridinium salts with phenylhydrazones and phenylhydrazides
AUTHOR(S): Chupakhin, O. N.; Postovskii, I. Ya.; Rusinov, V. L.; Charushin, V. N.
CORPORATE SOURCE: Ural. Politekh. Inst. im. Kirova, Sverdlovsk, USSR
SOURCE: Khimiya Geterotsiklicheskikh Soedinenii (1975), (3), 387-91
CODEN: KGSSAQ; ISSN: 0132-6244
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 83:28073
GI For diagram(s), see printed CA Issue.
AB Acridinium salts [I, R = H, Me, R1 = Ph, p-ClC6H4, p-BrC6H4, 3,4-(MeO)2C6H3, X = Cl, I] were obtained in 30-82% yields by heating RR1C:NNHPh with an acridinium salt in DMF 2 hr at 120°. Addnl. obtained were 46-60% of the free bases [II, R = H, Me, R1 = Ph, p-ClC6H4, p-Me2NC6H4, 3,4-(MeO)2C6H3, 3,4-(HO)(MeO)C6H3, 2-furyl].
IT 54132-12-6P 55754-19-3P 55754-20-6P
55754-21-7P 55754-22-8P 55754-23-9P
55754-24-0P 55754-25-1P 55754-26-2P
55754-27-3P 55754-28-4P 55754-29-5P
55754-30-8P 55754-31-9P 55754-36-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 54132-12-6 CAPLUS
CN Benzaldehyde, 2-[4-(9-acridinyl)phenyl]hydrazone, hydrochloride (1:1) (CA INDEX NAME)

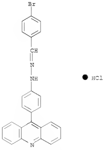


RN 55754-19-3 CAPLUS
CN Benzaldehyde, 4-chloro-, 2-[4-(9-acridinyl)phenyl]hydrazone, hydrochloride (1:1) (CA INDEX NAME)

L14 ANSWER 47 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

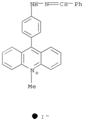


RN 55754-20-6 CAPLUS
CN Benzaldehyde, 4-bromo-, 2-[4-(9-acridinyl)phenyl]hydrazone, hydrochloride (1:1) (CA INDEX NAME)



RN 55754-21-7 CAPLUS
CN Acridinium, 10-methyl-9-[4-[2-(phenylmethylene)hydrazinyl]phenyl]-, iodide (1:1) (CA INDEX NAME)

L14 ANSWER 47 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



RN 55754-22-8 CAPLUS
CN Acridinium, 9-[4-[2-[(4-chlorophenyl)methylene]hydrazinyl]phenyl]-10-methyl-, iodide (1:1) (CA INDEX NAME)

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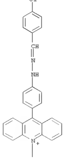

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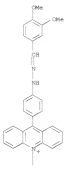
RN 55754-23-9 CAPLUS
CN Acridinium, 10-methyl-9-[4-[2-(1-phenylethylidene)hydrazinyl]phenyl]-, iodide (1:1) (CA INDEX NAME)

RN 55754-24-0 CAPLUS
CN Acridinium, 9-[4-[2-[(4-bromophenyl)methylene]hydrazinyl]phenyl]-10-methyl-, iodide (1:1) (CA INDEX NAME)

PAGE 1-A

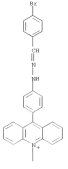


PAGE 2-A

RN 55754-26-2 CAPLUS
CN Benzaldehyde, 2-[4-(9-acridinyl)phenyl]hydrazone (CA INDEX NAME)

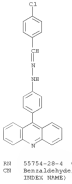
RN 55754-27-3 CAPLUS
CN Benzaldehyde, 4-chloro-, 2-[4-(9-acridinyl)phenyl]hydrazone (CA INDEX NAME)

PAGE 1-A

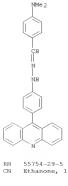


PAGE 2-A

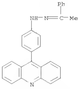
RN 55754-25-1 CAPLUS
CN Acridinium, 9-[4-[2-[(3,4-dimethoxyphenyl)methylene]hydrazinyl]phenyl]-10-methyl-, iodide (1:1) (CA INDEX NAME)



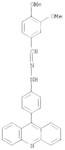
RN 55754-28-4 CAPLUS
CN Benzaldehyde, 4-(dimethylamino)-, 2-[4-(9-acridinyl)phenyl]hydrazone (CA INDEX NAME)



RN 55754-29-5 CAPLUS
CN Ethanone, 1-phenyl-, 2-[4-(9-acridinyl)phenyl]hydrazone (CA INDEX NAME)

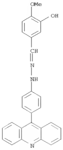


RN 55754-30-8 CAPLUS
CN Benzaldehyde, 3,4-dimethoxy-, 2-[4-(9-acridinyl)phenyl]hydrazone (CA INDEX NAME)

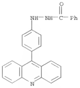


RN 55754-31-9 CAPLUS
CN Benzaldehyde, 3-hydroxy-4-methoxy-, 2-[4-(9-acridinyl)phenyl]hydrazone (CA INDEX NAME)

L14 ANSWER 47 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

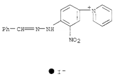


RN 55754-36-4 CAPLUS
CN Benzoic acid, 2-[4-(9-acridinyl)phenyl]hydrazide (CA INDEX NAME)

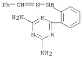


OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

L14 ANSWER 48 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1972:448149 CAPLUS
DOCUMENT NUMBER: 77:48149
ORIGINAL REFERENCE NO.: 77:7975a,7978a
TITLE: N-Phenylpyridinium salts. 2. Reactivity of N-(3-nitro-4-chlorophenyl)pyridinium chloride
AUTHOR(S): Lipke, Bodo; Lachmann, Christel; Schmidt, Reinhard
CORPORATE SOURCE: Sekt. Chem., Humboldt-Univ. Berlin, Berlin, Ger. Dem. Rep.
SOURCE: Zeitschrift fuer Chemie (1972), 12(3), 103-4
CODEN: ZECEAL; ISSN: 0044-2402
DOCUMENT TYPE: Journal
LANGUAGE: German
GI For diagram(s), see printed CA Issue.
AB The title compound (I) reacted with N2H4.H2O in boiling EtOH to give the hydrazino compound II only in small yields and as the benzylidene derivative
III. III was obtained in increased yields by reaction of I with PhCH:NNH2. I and PhNHNH2 gave the triazolyl derivative IV. I and H2NNHCSNH2
or PhSH gave the corresponding thio ethers, which were cleaved with pyrrolidine to give 3,4-O2N(PhS)C6H3NH2 and 3,4-O2N(2-HO2CC6H4S)C6-H3NH2, resp. Similar cleavage of IV gave the expected 5-amino derivative V.
IT 37059-25-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 37059-25-9 CAPLUS
CN Pyridinium, 1-[3-nitro-4-[2-(phenylmethylene)hydrazinyl]phenyl]-, iodide (1:1) (CA INDEX NAME)

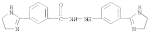


L14 ANSWER 49 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1970:455295 CAPLUS
DOCUMENT NUMBER: 73:55295
ORIGINAL REFERENCE NO.: 73:9085a,9088a
TITLE: Mass spectra of s-triazines
AUTHOR(S): Preston, P. N.; Steedman, W.; Palmer, M. H.; Mackenzie, S. M.; Stevens, Malcolm F. G.
CORPORATE SOURCE: Dep. Chem., Heriot-Watt Univ., Edinburgh, UK
SOURCE: Organic Mass Spectrometry (1970), 3(7), 863-74
CODEN: ORMSBG; ISSN: 0030-493X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The mass spectra of 21 s-triazines were interpreted. An unusual feature noted in the spectra of some of the compds. is transfer of a H atom of a side chain to a N atom of the s-triazine ring; two such shifts are suggested as a rationale for the unusual loss of N from a hydrazide derivative
The fragmentation of triamino and some diamino derivs. indicates that imino tautomers play a significant role. The spectra of aryldiamino-s-triazines suggest that the site of a substituent in the aryl
ring is important in some cases in directing the decomposition; some transitions were rationalized on the basis of the juxtaposition of the substituent in relation to a N atom of the heterocyclic ring.
IT 29366-80-1
RL: PRP (Properties)
(mass spectrum of)
RN 29366-80-1 CAPLUS
CN Benzaldehyde, 2-[2-(4,6-diamino-1,3,5-triazin-2-yl)phenyl]hydrazone (CA INDEX NAME)

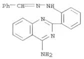


OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

L14 ANSWER 50 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1970:77292 CAPLUS
DOCUMENT NUMBER: 72:77292
ORIGINAL REFERENCE NO.: 72:14070h,14071a
TITLE: Babesicidal effect of basically substituted carbanilides. I. Activity against Babesia rodhaini in mice
AUTHOR(S): Schmidt, Gisela; Hirt, Rudolf; Fischer, Rudolf
CORPORATE SOURCE: Res. Inst., Berne, Switz.
SOURCE: Research in Veterinary Science (1969), 10(6), 530-3
CODEN: RVTSA9; ISSN: 0034-5288
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The babesicidal effect of a large number of dibasic compds. was tested in exptl. B. rodhaini infection in mice. 3,3'-Bis(2-imidazolin-2-yl)carbanilide, [or 1,3-bis[m (2-imidazolin-2-yl)phenyl]urea], was the most effective.
IT 27886-03-9
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(babesicidal activity of)
RN 27886-03-9 CAPLUS
CN Benzoic acid, 3-(4,5-dihydro-1H-imidazol-2-yl)-, 2-[3-(4,5-dihydro-1H-imidazol-2-yl)phenyl]hydrazide (CA INDEX NAME)



L14 ANSWER 51 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1967:432680 CAPLUS
DOCUMENT NUMBER: 67:32680
ORIGINAL REFERENCE NO.: 67:6191a,6194a
TITLE: Triazines and related products. I. 1,3-Di-o-cyanophenyltriazene
AUTHOR(S): Stevens, Malcolm F. G.
CORPORATE SOURCE: Heriot-Watt Univ., Edinburgh, UK
SOURCE: Journal of the Chemical Society [Section] C: Organic (1967), (11), 1096-8
CODEN: JSOOAX; ISSN: 0022-4952
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 67:32680
GI For diagram(s), see printed CA Issue.
AB 12-Imino-12H-[1]benzo-vic-triazino[3,4-a]quinazoline (I) was prepared by alumina-catalyzed cyclization of 1,3-di-o-cyanophenyltriazene and its properties compared with those of the isomeric 7-imino-7H-[1]benzo-vic-triazino[4,3-b]quinazoline. The trizino[3,4-a]quinazoline is involved as an intermediate in certain reactions of 1,3-di-o-cyanophenyltriazene; thus, the triazene affords, on reduction with SnCl2 in EtOH, 11-aminoindazolo[3,2-b]quinazoline.
IT 16288-71-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 16288-71-4 CAPLUS
CN Benzaldehyde, 2-[2-(4-amino-2-quinazolinyl)phenyl]hydrazone (CA INDEX NAME)



OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

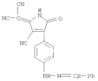
L14 ANSWER 52 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1962:79383 CAPLUS
DOCUMENT NUMBER: 56:79383
ORIGINAL REFERENCE NO.: 56:15486i,15487a-i,15488a-b
TITLE: 5-Cyanomethylene-2-oxo-3-pyrrolines
INVENTOR(S): Carboni, Rudolph A.
PATENT ASSIGNEE(S): E. I. du Pont de Nemours & Co.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3013013		19611212	US 1959-808587	19590424
PRIORITY APPLN. INFO.:			US	19590424

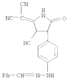
GI For diagram(s), see printed CA Issue.
AB A series of new 5-cyanomethylene-2-oxo-3-pyrroline dyes (I) was prepared (R in I = H or an alkyl group, X and X' = CN, SO3R, CO2R, or CONR2, and Q = a monovalent organic radical of a compound which will condense with a diazonium salt). (NC)2C:C(NH2)CH2CN (II) 132, (CO2Et)2 160, and absolute MeOH 793 added to NaOMe 108 in absolute MeOH 595, stirred 2 hrs. at room temperature, concentrated to 2/3 volume, diluted with 2 vols. dry C6H6, and filtered yielded the di-Na salt (III) 203 parts of 4-cyano-5-dicyanomethylene-3-hydroxy-2-oxo-3-pyrroline (IV). The III in the min. amount of H2O treated with excess HCl and filtered yielded the mono-Na salt dihydrate (V.2H2O) of IV, bright yellow precipitate p-MeC6H4SO2CH2CN (VI) 390 added at 0° to Na 23 in EtOH 3947, refluxed 2.5 hrs., kept at room temperature overnight, diluted with H2O 20,000 acidified with concentrated HCl, and filtered yielded 2-amino-1-cyano-1,3-bis(p-tolylsulfonyl)propene (VII) 245 parts, m. 194.5-5.5° (EtOH). VI 700 and (CO2Et)2 263 refluxed 1.25 hrs. with Na 83 in EtOH 3947, diluted with C6H6 8794, filtered, the residual bright yellow, crystalline di-Na salt 540 of 5-[α-cyano-α-(p-tolylsulfonyl)methylene] - 3 - hydroxy-2-oxo-4-(p-tolylsulfonyl)-3-pyrroline (VIII) suspended in H2O 5000, and treated slowly with stirring with concentrated HCl 357 yielded the pale yellow, crystalline mono-Na salt (IX) of VIII. V.2H2O 10, Et2NPh 191, and POCl3 about 25 heated a few min. at 80-100° gave blue-green 4-cyano-5-dicyanomethylene-3-(p-dimethylaminophenyl)-2-oxo-3-pyrroline (X). X 2 in HCONMe2 284 added with stirring to sulfonated lignin dispersant 2 in H2O 10,000 and 5% aqueous NaHCO3 200, heated at 80-100°, and swatches 10 parts each of cellulose acetate and nylon fabrics added gave a red-blue shade on the cellulose acetate and a medium brown shade on nylon; both dyed fabrics turned bright blue when treated with 5% aqueous HCl and retained the color after rinsing and drying. V.2H2O 50 in MeCN 157 treated with (COCl)2 60, refluxed 1 hr. with stirring, and filtered yielded 3-chloro-4-cyano-5-dicyanomethylene-2-oxo-3-pyrroline (XI) 36 parts, buff-colored crystals. XI 15 in EtOAc 2250 treated with Me2NPh 48 kept 2 hrs. at room temperature, and filtered yielded X 20 parts. XI

L14 ANSWER 52 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
15 in EtOAc 450 treated with (p-Me2NC6H4)2C:CH2 20 in EtOAc 900, kept 1.5 hrs. at room temp., and filtered yielded 3-[(p-Me2NC6H4)2C: CH] analog 28 parts of X, λ 759 mμ (EtOH). Similarly were prepd. the 3-(PhNHCOCHBz) analog of X, λ 500 mμ (EtOH), orange in ETOH, from XI and BzCH2CPNHPh, and the 3-(3-methyl-1-phenyl-5-pyrazolon-4-yl) analog of X, λ 568 mμ, purple in ETOH, from XI and 3-methyl-1-phenyl-5-pyrazolone. XI 204 in EtOAc 1800 treated with NaCH(CN)2 yielded the Na salt 168 parts of the 3-[(NC)2CH] analog of X, brick-red solid, orange in H2O. XI 102, α-methylfuran 184, and HCONMe2 945 kept 18 hrs. at room temp., dild. with H2O 2500, and filtered gave the 3-(5-methyl-2-furyl) analog of X, orange, m. above 250°, bright yellow in EtOH and MeCN. XI 10 in EtOAc 1800 and indole 5 parts warmed a few min. at 50-60° yielded the bright red 3-(3-indolyl) analog of X, λ 525 and 370 mμ. XI 10 in MeCN 1566 with 2-methylene-1,3,3-trimethylindoline (XII) yielded similarly at 50-60° the purple 3-(1,3,3-trimethyl-2-indolinylidene) analog of X, λ 591 and 360 mμ. XI 408 and PhNHN:CHPh 392 in MeCN 10,000 stirred a few min. at room temp. gave crude 3-(p-PhCH:NNHC6H4) analog of X, green in AcOH, λ 605, 580, 455, and 346 mμ (AcOH). [EtPhN(CH2)2NMe3]Cl 480 and XI 408 in MeCN 10,000 at room temp. gave 2-[N-ethyl-N-[p-(4-cyano-5-dicyanomethylene-2-oxo-3-pyrrolin-3-yl)phenyl]amino]ethyltrimethylammonium chloride, λ 586 and 395 mμ, dyed polyethylene terephthalate fibers lavender-blue. EtO2C(NC)C:C(NH2)CH2CO2Et 184 added at 0° to Na 52 in abs. EtOH 553, kept 3 hrs. at room temp., poured into C6H6 2640, filtered, and evapd. gave the di-Na salt 340 parts of 5-(α-cyano-α-ethoxycarbonylmethylene)-4-ethoxycarbonyl-3-hydroxy-2-oxo-3-pyrroline (XIII); a portion 170 treated with POCl3 200 in MeCN 391 at 0°, kept at room temp. overnight, and filtered gave the 3-Cl analog (XIV) of XIII. XIV 5 in MeCN 780 treated with XlI 5 yielded the reddish blue 3-(1,3,3-trimethyl-2-indolinylidene) analog of XIV, λ 582, 550, and 360 mμ. II 132 and BzCO2Et 178 added to Na 46 in EtOH 3947, poured after 1 hr. into H2O 20,000, and acidified with aq. HCl yielded bright yellow 4-cyano-5-dicyanomethylene-2-oxo-3-phenyl-3-pyrroline (XV) 90 parts, m. 296-8° (AcOH)(decompn.). Na salt 155 of II and MeNHCOCO2Me 117 in MeCN 1957 parts refluxed 16 hrs. with stirring, filtered, evapd., and the residue treated in the usual manner with POCl3 and Me2NPh gave the 3-(p-Me2NC6H4) analog of XV, a bright blue dye. IX 410 in MeCN 1957 treated slowly with stirring with (COCl)2 298, kept 1 hr. at room temp., filtered, and evapd. yielded the cryst. 3-chloro-5-[α-cyano-α-(p-toluylsulfonyl)methylene]-2-oxo-4-(p-tolylsulfonyl)-3-pyrroline (XVI) 161 parts. XVI 50 in EtOAc 900 treated with Me2NPh about 50, kept 4 hrs. at room temp., and filtered yielded the 3-(p-Me2NC6H4) analog of XV1, iridescent green-gold needles. XVI 5 in MeCN about 50 contg. a trace of C5H5N treated with CH2(CN)2 about 5 parts yielded the 3-(NC)2CH analog of XVI, λ 505 and 480 mμ.
IT 94864-30-9P, Benzaldehyde, [p-[4-cyano-5-(dicyanomethylene)-2-oxo-3-pyrrolin-3-yl]phenyl]hydrazone 856598-94-2P, 3-Pyrroline-Δ2,α-malononitrile, 4-[p-(benzylidenehydrazino)phenyl]-3-cyano-5-oxo-
RL: PREP (Preparation)
(preparation of)
RN 94864-30-9 CAPLUS
CN Propanedinitrile, 2-[3-cyano-1,5-dihydro-5-oxo-4-[4-[2-(phenylmethylene)hydrazinyl]phenyl]-2H-pyrrol-2-ylidene]- (CA INDEX NAME)

L14 ANSWER 52 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



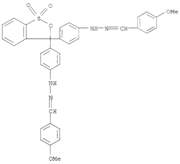
RN 856598-94-2 CAPLUS
CN Propanedinitrile, 2-[3-cyano-5-oxo-4-[4-[2-(phenylmethylene)hydrazinyl]phenyl]-2-pyrrolidinylidene]- (CA INDEX NAME)



OS.CITING REF COUNT: 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)

L14 ANSWER 53 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1950:45425 CAPLUS
DOCUMENT NUMBER: 44:45425
ORIGINAL REFERENCE NO.: 44:8661d-i
TITLE: Triphenylmethane dyes containing the hydrazine group and their condensation products with aldehydes
AUTHOR(S): Kuhn, Lester P.; DeAngelis, Louis
CORPORATE SOURCE: Ballistic Research Lab., Aberdeen, MD, USA
SOURCE: Journal of the American Chemical Society (1949), 71, 3084-8
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB Three hydrazinotriphenylmethane dyes were prepared and tested with aldehydes to yield the corresponding hydrazones. An explanation is provided for the color change accompanying this reaction which corrects misconceptions of previous workers. The absorption of these compds. in the visible region was measured. The usefulness of these dyes as reagents for the qual. determination of aldehydes is demonstrated and the possibility of using them for quant. detns. is indicated. The relation between the color and the constitution of the compds. is discussed and the principles set forth by previous workers on other dyes have been extended (Brooker, C.A. 37, 1653.7; Tolbert, et al., C.A. 39, 3481.8; 40, 2384.6). The dyes are of the form: Dyes I and II were prepared by the hydrolysis of the corresponding benzalhydrazones. Absorption spectra of I, II, and III are given. They were not isolated but were used in the solns. in which they were prepared III was prepared in the same manner except that the benzotrichloride was replaced by the pseudo dichloride of o-sulfobenzoic acid. PhCCl3 + 2PhCH = NNRPh →ZnCl2 [(PhCH:NNRC6H4)2CPh]+ Cl- + 2HCl; [(PhCH:NNRC6H4)2CPh]+ Cl- + 2H2O →H2SO4 2BzH + [(H2NNRC6H4)2CPh]+Cl-.
IT 855950-04-8P, p-Anisaldehyde, dihydrazone with α,α-bis(p-hydrazinophenyl)-α-hydroxy-o-toluenesulfonic acid sultone
RL: PREP (Preparation)
(preparation of)
RN 855950-04-8 CAPLUS
CN Benzaldehyde, 4-methoxy-, 2-[4-[3-[4-[2-[(4-methoxyphenyl)methylene]hydrazinyl]phenyl]-1,1-dioxido-3H-2,1-benzoxathiol-3-yl]phenyl]hydrazone (CA INDEX NAME)

L14 ANSWER 53 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



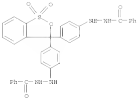
L14 ANSWER 54 OF 54 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1937:44735 CAPLUS
DOCUMENT NUMBER: 31:44735
ORIGINAL REFERENCE NO.: 31:6222h-i,6223a-g
TITLE: Molecular resonance systems. II. The preparation and properties of substituted anilinesulfonephthaleins
AUTHOR(S): Schwarzenbach, G.; Ott, G. H.; Hagger, O.
SOURCE: Helvetica Chimica Acta (1937), 20, 498-513
CODEN: HCACAV; ISSN: 0018-019X
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB A large number of substituted anilinesulfonephthaleins of the type o-SO3C6H4C(p-C6H4NHR-)2 (A) have been prepared, and their color changes are discussed. Phenyl red (I) was prepared from saccharin (cf. Freas and Provine, C. A. 22, 3160). The phenolic OH groups of I were replaced by heating 30 g. dry I with 300 g. amine for 1 hr. at 180°, the substituted A being obtained in 80-90% yield. The following were prepared in this way: anilinesulfonephthaleins N-Ph (cf. Orndorf and Sherwood, C. A. 17, 1457); N-(o-methylphenyl), from o-MeC6H4NH2; N-(o,p-dimethylphenyl) from 2,4-Me2C6H3NH2, N-(o,p,m'-trimethylphenyl) from 2,4,5-Me3C6H2NH2; N-(p-methoxyphenyl) from p-MeOC6H4NH2; and N-(p-ethoxyphenyl) from p-EtOC6-H4NH2. The phenolic OH groups of I were also replaced by NH3 and aliphatic amines by heating in a sealed tube. 1 g. I was heated with 5 cc. aqueous NH3 (saturated at 0°) for 24 hrs. at 150°, giving 0.5 g. anilinesulfonephthalein (II). 1 g. I was heated with anhydrous MeNH2 and EtNH2 for 24 hrs. at 140°, giving 0.7 g. N-methyl- and N-ethylanilinesulfonephthalein, resp. 35 g. I in 200 cc. AcCl was heated under reflux for 1 hr. with 42 g. PCl5, in an attempt to replace with Cl the phenolic OH groups of I. The bright yellow amorphous powder so obtained proved to be an impure phosphoric acid ester (III), instead of the expected Cl compound III was reacted with several aliphatic and aromatic amines to give compds. of the type A. A mol. weight of 400 was ascribed to III. 1 mol. III in 10 parts of absolute alc. was heated with 5 mols. of the amine in a sealed tube for 12 hrs. in a boiling water bath. Yields of 40-70% were obtained. The following anilinesulfonephthaleins were prepared in this way: N-propyl, from PrNH2; N-isobutyl, from iso-BuNH2; N-hydroxyethyl, from HOCH2CH2NH2; N-benzyl, from PhCH2NH2; N-(p-hydroxyphenyl), from p-HOC6H4NH2; N-(m-hydroxyphenyl), from m-HOC6H4NH2; N-(p-aminophenyl), from p-C6H4(NH2)2; and N-(o-bromophenyl), from o-BrC6H4-NH2. The diacetylphenyl red (IV) described by Orndorf also reacts readily with amines. The following 3 anilinesulfonephthaleins were prepared from IV, using the same procedure as employed with III: N-(o,p-dichlorophenyl), from 2,4-Cl2C6H3NH2; N-(m-acetylphenyl), from m-AcC6H4NH2; N-biphenylyl, from PhC6H4NH2; and N'-benzoylphenylhydrazinesulfonephthalein, from BzNHNH2. Et2NCH2CH2NH2 (V) was prepared through the phthalimide synthesis. I was heated at 100° with a large excess of V, yielding 40% N-(N'-diethylaminoethyl) anilinesulfonephthalein. 4 g. I, heated 1 hr. at 80° in a sealed tube with 16 cc. anhydrous Me2NNH2, the excess amine removed at room temperature in vacuo, the residue dissolved in alc. and a little AcOH added gives 0.7 g. N'-dimethylphenylhydrazinesulfonephthalein. 4 g. I was heated 10 hrs. at 100° with 8 g. EtO2CCH2NH2, the reaction mixture dissolved in alc.

and the dye pptd. with ether. Purification was effected by dissolving in alc. and pptg. with ether 3 times, but the N-(carbethoxymethyl) anilinesulfonephthalein (VI) could not be obtained cryst. VI was hydrolyzed to the free acid, N-(carboxymethyl) anilinesulfonephthalein, by heating 3 hrs. on the water bath with concd. HCl. II was acetylated with Ac2O and a few drops C5H5N. The tetra-Br deriv. of II was obtained by brominating in AcOH. Attempts to sulfonate diphenylaminesulfonephthalein and its p-OMe deriv. yielded mixts. Attempts to condense I with H2NNH2 or PhNHNH2 failed, because of the reducing properties of these reagents. (CH2NH2)2 and CH2-(CH2NH2)2, condensed with I, yield mixts. in which several mols. of I are linked together. All these compds., except II, are slightly sol. in H2O, but readily sol. in alc.; all have indicator properties.

IT 854639-57-9P, o-Toluenesulfonic acid, α,α-bis[p-(2-benzoylhydrazino)phenyl]-α-hydroxy-, sultone
RL: PREP (Preparation)
(preparation of)

RN 854639-57-9 CAPLUS

CN Benzoic acid, 2-[4-[3-[4-(2-benzoylhydrazinyl)phenyl]-1,1-dioxido-3H-2,1-benzoxathiol-3-yl]phenyl]hydrazide (CA INDEX NAME)



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